

December 21, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill

Federal 4-29-9-16

Federal 4-30-9-16

Federal 8-30-9-16

Federal 12-30-9-16

Federal 16-30-9-16.

Dear Diana:

Enclosed find APD's on the above referenced directional wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier

Regulatory Specialist

mc

enclosures

RECEIVED
DEC 2 2 2006

DIV. OF OIL, GAS & MINING

Form 3160-3 FORM APPROVED (September 2001) OMB No. 1004-0136 Expires January 31, 2004 UNITED STATES DEPARTMENT OF THE INTERIOR Lease Serial No. **BUREAU OF LAND MANAGEMENT** UTU-74391 If Indian, Allottee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. la. Type of Work: ✓ DRILL ☐ REENTER 8. Lease Name and Well No. ☑ Oil Well ☐ Gas Well ☐ Other 1b. Type of Well: Single Zone Multiple Zone Federal 4-30-9-16 Name of Operator 9. API Well No. **Newfield Production Company** 3a. Address 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory Route #3 Box 3630, Myton UT 84052 (435) 646-3721 Location of Well (Report location clearly and in accordance with any State requirements.*) 11. Sec., T., R., M., or Blk. and Survey or Area At surface NE/NW 769' FNL 2034' FWL Sec. 30, T9S R16E At proposed prod. zone NW/NW 661' FNL 610' FWL 14. Distance in miles and direction from nearest town or post office* 12. County or Parish 13. State Approximatley 15.0 miles southwest of Myton, Utah Duchesne UT 15. Distance from proposed* 16. No. of Acres in lease 17. Spacing Unit dedicated to this well location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 610' f/lse, NA f/unit 2139.50 40 Acres 18. Distance from proposed location' 19. Proposed Depth 20. BLM/BIA Bond No. on file to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1520' 5880' UTB000192 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 6068' GL 2nd Quarter 2007 Approximately seven (7) days from spud to rig release 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see 2. A Drilling Plan. Item 20 above). Operator certification. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. 25. Signatur Name (Printed/Typed) 1 Date Mandie Crozier 12/21/06 Title Regulator/Specialist Approved by Name (Printed/Typed)
BRADLEY G. HILL Title OFFENVIRONMENTAL MANAGER Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. *(Instructions on reverse) BHU 570993X

40,007449

-110.168247

RECEIVED

DEC 2 2 2006

DIV. OF OIL. GAS & MINING

Faderal Approval of this Action is Necessary

Surf 571427X

40,007,40

- 110.163163

T9S, R16E, S.L.B.&M.

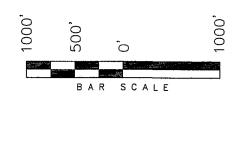
\$89'56'E - 78.50 (G.L.O.) 2642.42' (Measured) S89°51'17"E - 2539.68' (Meas.) S89°56'E (Basis of Bearings) 1910 N85°30'48"W Brass Cap Brass Cap Brass Cap 1427.74 2034 DRILLING, WINDOW LOT 1 LOT 2 NORTH (G.L.O.) Proportioned (Not Set) 1910 Brass Cap WELL LOCATION: 9 MILE 4-30-9-16 LOT 3 ELEV. UNGRADED GROUND = 6068.0' 2643.09 LOT 4 1910 Brass Cap Brass Cap S89°52'42"E - 2547.31' (Meas.") S89°52'49"E - 2645.82' (Meas.) Brass Cap S89°57'E ~ 78.61 (G.L.O.)

= SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW) 9 MILE 4-30-9-16 (Surface Location) NAD 83 LATITUDE = 40° 00' 25.32" LONGITUDE = 110° 09' 49.95"

NEWFIELD PRODUCTION COMPANY

WELL LOCATION, 9 MILE 4-30-9-16, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 30, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT OTHE ABOVE PLAT WAS PREPARED FROM FIELD OF ACTUM SURVEYS MADE BY ME OR UNDER MY SUPPRESSION AND THAT THE SAME ARE TRUE AND SORRECT TO THE BEST OF MY KNOWLEDGE AND FILES No. 189377

REGISTER D LAND SURVEYOR REGISTRATE OF STATE OF

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

| DATE SURVEYED: 09-08-06 | SURVEYED BY: C.M. |
|----------------------------|-------------------|
| DATE DRAWN: 09-19-06 | DRAWN BY: T.C.J. |
| REVISED: | SCALE: 1" = 1000' |

NEWFIELD PRODUCTION COMPANY FEDERAL #4-30-9-16

AT PROPOSED ZONE: NW/NW SECTION 30, T9S, R16E AT SURFACE: NE/NW SECTION 30, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:</u>

Uinta 0' – 1880' Green River 1880' Wasatch 5880'

3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:</u>

Green River Formation 1880' - 5880' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. <u>AUXILIARY SAFETY EQUIPMENT TO BE USED:</u>

Please refer to the Monument Butte Field SOP.

8. <u>TESTING, LOGGING AND CORING PROGRAMS:</u>

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

NEWFIELD PRODUCTION COMPANY FEDERAL #4-30-9-16

AT PROPOSED ZONE: NW/NW SECTION 30, T9S, R16E AT SURFACE: NE/NW SECTION 30, T9S, R16E DUCHESNE COUNTY, UTAH

DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. <u>EXISTING ROADS</u>

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #4-30-9-16 located in the NE 1/4 NW 1/4 Section 30, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly -11.1 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly -0.4 miles \pm to it's junction with the beginning of the proposed access road to the northeast; proceed northeasterly along the proposed access road -140° \pm to the proposed well location.

2. PLANNED ACCESS ROAD

The proposed well will be drilled directionally off of the proposed Federal 3-30-9-16 well pad. See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

It is proposed that this well will be drilled directionally off of the proposed Federal 3-30-9-16 well pad. All permanent surface equipment will be painted Carlsbad Canyon. Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. <u>METHODS FOR HANDLING WASTE DISPOSAL</u>

Please refer to the Monument Butte Field SOP.

8. <u>ANCILLARY FACILITIES</u>

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

 SURFACE OWNERSHIP - Bureau Of Land Management (Proposed location and access roads leading to).

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #06-175. Paleontological Resource Survey prepared by, Wade E. Miller, 4/26/06. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 140' of disturbed area be granted in Lease UTU-74391 to allow for construction of the planned access road. Refer to Topographic Map "B". For the planned access road a temporary width of 60' will be needed for construction purposes with a permanent width of 30' and a running surface of 18'. The construction phase of the planned access road will last approximately (5) days. The planned access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

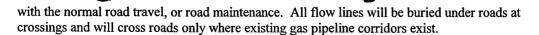
Newfield Production Company requests 2,700' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line and 30' wide upon completion of the proposed gas lines. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests 2,700' of disturbed area be granted in Lease UTU-74391 to allow for construction of the proposed water lines. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Surface Flow Line

For all new wells, Newfield Exploration requests that a 30' Right of way be granted to allow for construction of up to a 14" bundled pipe. **Refer to Topographic Map "D"** for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

<u>Clearing and Grading:</u> the proposed flow line will be placed on the surface of the ground. As such no grading or clearing will be needed. The flow line will be centered staked every 200 feet prior to the installation. The flow line will be as close to the access road as possible without interfering



<u>Installation</u> for portions along existing roads, lengths of pipe will be laid in the barrow ditch, welded together and moved into place. For lines that go cross-country minimal access will be needed only for maintenance purpose. It is in the best interest of Newfield Exploration to avoid wet and saturated ground that would cause ruts greater than 3 inches in depth. Disturbed areas will be reclaimed with in 120 days of the end of the installation.

<u>Termination and final restoration:</u> A notice of abandonment will be filed with the BLM for final recommendations regarding surface reclamation. After abandonment the flow line will be removed, and any surface disturbance will be reclaimed according to the standards and specifics set by the BLM

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Elk and Deer winter range: No new construction or surface disturbing activities will be allowed Dec. 1st and April 30th.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Saltgrass

Basin Wild Rye

Elymus Cinereus

10 lbs/acre 5 lbs/acre

Details of the On-Site Inspection

The proposed Federal #4-30-9-16 was on-sited on 9/28/06. The following were present; Kim Kettle (Newfield Production), Charley Sharp (Bureau of Land Management), and Brandon McDonald (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name:

Dave Allred

Address:

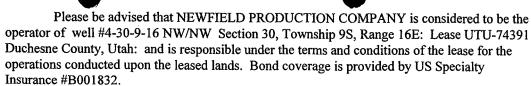
Route #3 Box 3630

Myton, UT 84052

Telephone:

(435) 646-3721

Certification



I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

12/21/06 Date

Mandie Crozier

Regulatory Specialist

Newfield Production Company



Project: Duchesne County, UT Site: 9 Mile 4-30-9-16

Well: 9 Mile 4-30-9-16

Wellbore: OH Design: Plan #1



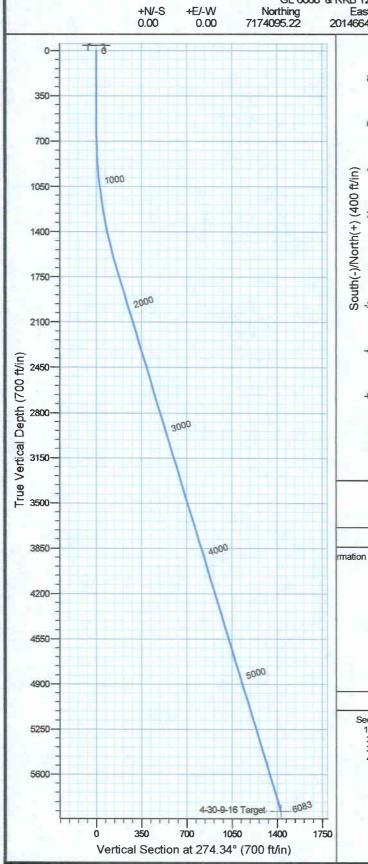


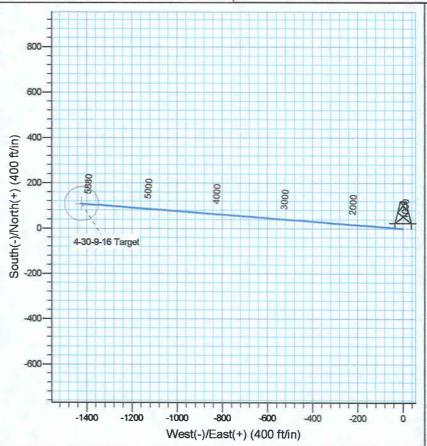
Azimuths to True North Magnetic North: 11.91°

> Magnetic Field Strength: 52693.6nT Dip Angle: 65.86° Date: 2006-12-15 Model: IGRF2005-10

WELL DETAILS: 9 Mile 4-30-9-16

GL 6068' & RKB 12' @ 6080.00ft 6068.00 +N/-S +E/-W Northing Easting Latittude Longitude 0.00 0.00 7174095.22 2014664.98 40° 0' 25.320 N 110° 9' 49.950 W





| FORMATION TOP DETAILS | Plan: Plan #1 (9 Mile 4-30-9-16/OH) |
|-----------------------|-------------------------------------|
| data is available | |

Created By: Julie Cruse Date: 2006-12-15

PROJECT DETAILS: Duchesne County, UT

Geodetic System: US State Plane 1983 Datum: North American Datum 1983 Ellipsoid: GRS 1980 Zone: Utah Central Zone

Zone: Utah Central Zone

System Datum: Mean Sea Level Local North: No north reference data is available

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | DLeg | TFace | VSec | Target |
|-----|---------|-------|--------|---------|--------|----------|------|--------|---------|------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 600,00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0,00 | 0.00 | |
| 3 | 1723.57 | 16.85 | 274.34 | 1707.44 | 12.41 | -163.59 | 1.50 | 274.34 | 164.06 | |
| 4 | 6083,39 | 16.85 | 274.34 | 5880.00 | 108.00 | -1424,00 | 0.00 | 0.00 | 1428.09 | 4-30-9-16 Target |

Newfield Exploration Co.

Duchesne County, UT 9 Mile 4-30-9-16 9 Mile 4-30-9-16 OH

Plan: Plan #1

Standard Planning Report

15 December, 2006

Scientific Drilling

Planning Report

Database:

EDM 2003.14.1.0 Single User Db

Company:

Newfield Exploration Co.

Project: Site:

Duchesne County, UT 9 Mile 4-30-9-16 9 Mile 4-30-9-16

Well: Wellbore: Design:

OH Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** Well 9 Mile 4-30-9-16

GL 6068' & RKB 12' @ 6080.00ft GL 6068' & RKB 12' @ 6080.00ft

True

Minimum Curvature

Project

Duchesne County, UT

Map System: Geo Datum:

US State Plane 1983

North American Datum 1983

Map Zone:

Utah Central Zone

System Datum:

Mean Sea Level

Sitte

Well

9 Mile 4-30-9-16, Sec 30 T9S R16E

Site Position:

From:

Lat/Long

Northing: Easting: Slot Radius: 7,174,095.22ft 2,014,664.98ft

Latitude:

Longitude: **Grid Convergence:**

40° 0' 25.320 N 110° 9' 49.950 W

Position Uncertainty:

0.00 ft

Well Position +N/-S

9 Mile 4-30-9-16, 769' FNL, 2034' FWL 0.00 ft

Northing:

7,174,095.22 ft

2,014,664.98 ft

Latitude: Longitude: 40° 0' 25.320 N

0.86°

+E/-W **Position Uncertainty**

0.00 ft 0.00 ft

Easting: Wellhead Elevation:

2006-12-15

Ground Level:

110° 9' 49,950 W 6.068.00 ft

52,694

Wellbore

OH

Plan #1

Magnetics

Model Name

empie Date

(°)

11.91

Dip Angle (°)

Field Strength

(nT)

IGRF2005-10

Design **Audit Notes:**

Version:

Phase:

PLAN

Tie On Depth:

0.00

Depth From (TVD)

5,880.00

+E/-W

Direction

65.86

Vertical Section:

(ft)

+N/-S (ft)

0.00

(ft) 0.00

(°) 274.34

| Plan Sections | | | | | | | | | | |
|---------------------------|-----------------|---------|---------------------------|----------------|---------------|-----------------------------|----------------------------|---------------------------|------------|------------------|
| Measured Depth (ft) | inclination (°) | Azimuth | Vertical Depth (ft) | +N/-\$ (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/190ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,723.57 | 16.85 | 274.34 | 1,707.44 | 12.41 | -163.59 | 1.50 | 1.50 | 0.00 | 274.34 | |
| 6,083.39 | 16.85 | 274.34 | 5,880.00 | 108.00 | -1,424.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4-30-9-16 Target |

Scientific Drilling

Planning Report

Database:

EDM 2003.14.1.0 Single User Db

Company: Project: Site: Newfield Exploration Co. Duchesne County, UT

Well: Wellbore: Design: 9 Mile 4-30-9-16 9 Mile 4-30-9-16

OH Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 9 Mile 4-30-9-16

GL 6068' & RKB 12' @ 6080.00ft GL 6068' & RKB 12' @ 6080.00ft

True

Minimum Curvature

| anned Survey | | | | | | | | | |
|----------------------|-------------|---------|----------------------|-------|--------------------|----------|------------|------------|-----------|
| Measured | | | Vertical | | | Vertical | Dogleg | Build | Turn |
| Depth | Inclination | Azimuth | Depth | +N/-S | +E/-W | Section | Rate | Rate | Rate |
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (°/100ft) | (°/100ft) | (°/190ft) |
| 64 | (1) | 17. | V-4 | (II) | (a) | (24) | (/ 10014) | () (0014) | (/ room |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 1.50 | 274.34 | 699.99 | 0.10 | -1.31 | 1.31 | 1.50 | 1.50 | 0.00 |
| 800.00 | 3.00 | 274.34 | 799.91 | 0.40 | -5.22 | 5.23 | 1.50 | 1.50 | 0.00 |
| 900.00 | 4.50 | 274.34 | 899.69 | 0.89 | -11.74 | 11.77 | 1.50 | 1.50 | 0.00 |
| | | | | | | . 11.77 | 1.50 | | 0.00 |
| 1,000.00 | 6.00 | 274.34 | 999.27 | 1.58 | -20.86 | 20.92 | 1.50 | 1.50 | 0.00 |
| 1,100.00 | 7.50 | 274.34 | 1,098.57 | 2.47 | -32.58 | 32.68 | 1.50 | 1.50 | 0.00 |
| 1,200.00 | 9.00 | 274.34 | 1,197.54 | 3.56 | -46.89 | 47.03 | 1.50 | 1.50 | 0.00 |
| 1,300.00 | 10.50 | 274.34 | 1,296.09 | 4.84 | -63.78 | 63.96 | 1.50 | 1.50 | 0.00 |
| 1,400.00 | 12.00 | 274.34 | 1,394.16 | 6.31 | -83.23 | 83.47 | 1.50 | 1.50 | 0.00 |
| 1,500,00 | 13.50 | 274.34 | 1,491.70 | 7.98 | 105.24 | 105.54 | 1 50 | | |
| | 15.00 | | | | -105.24 | 105.54 | 1.50 | 1.50 | 0.00 |
| 1,600.00 1,700.00 | | 274.34 | 1,588.62 | 9.84 | -129.78 | 130.15 | 1.50 | 1.50 | 0.00 |
| | 16.50 | 274.34 | 1,684.86 | 11.90 | -156.85 | 157.30 | 1.50 | 1.50 | 0.00 |
| 1,723.57 | 16.85 | 274.34 | 1,707.44 | 12.41 | -163.59 | 164.06 | 1.50 | 1.50 | 0.00 |
| 1,800.00 | 16.85 | 274.34 | 1,780.58 | 14.08 | -185.69 | 186.22 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 16.85 | 274.34 | 1.876.29 | 16.28 | -214.60 | 215.21 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 16.85 | 274.34 | 1,971.99 | 18.47 | -243.51 | 244.21 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 16.85 | 274.34 | 2,067.70 | 20.66 | -272.42 | 273.20 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 16.85 | 274.34 | 2,163.40 | 22.85 | -301.33 | 302.19 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 16.85 | 274.34 | 2,259.11 | 25.05 | -330.23 | 331.18 | 0.00 | 0.00 | 0.00 |
| · | | | | | | | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 16.85 | 274.34 | 2,354.81 | 27.24 | -359.14 | 360.18 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 16.85 | 274.34 | 2,450.52 | 29.43 | -388.05 | 389.17 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 16.85 | 274.34 | 2,546.22 | 31.62 | -416.96 | 418.16 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 16.85 | 274.34 | 2,641.93 | 33.82 | -445.87 | 447.15 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 16.85 | 274.34 | 2,737.63 | 36.01 | -474.78 | 476.15 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 16.85 | 274.34 | 2,833.34 | 38.20 | -503.69 | 505.14 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 16.85 | 274.34 | 2,929.04 | 40.39 | | | | 0.00 | 0.00 |
| 3,100.00 | | | | | -532.60 | 534.13 | 0.00 | 0.00 | 0.00 |
| | 16.85 | 274.34 | 3,024.75 | 42.59 | -561.51 | 563.12 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 16.85 | 274.34 | 3,120.45 | 44.78 | -590.42 | 592.12 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 16.85 | 274.34 | 3,216.16 | 46.97 | -619.33 | 621.11 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 16.85 | 274.34 | 3,311.86 | 49.16 | -648.24 | 650.10 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 16.85 | 274.34 | 3,407.57 | 51.36 | -677.15 | 679.10 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 16.85 | 274.34 | 3,503.27 | 53.55 | -706.06 | 708.09 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 16.85 | 274.34 | 3,598.98 | 55.74 | -734.97 | 737.08 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 16.85 | 274.34 | 3,694.68 | 57.93 | -763.88 | 766.07 | 0.00 | 0.00 | 0.00 |
| • | | | - | | | | | | |
| 3,900.00 | 16.85 | 274.34 | 3,790.39 | 60.13 | -792.79 | 795.07 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 16.85 | 274.34 | 3,886.09 | 62.32 | -821.70 | 824.06 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 16.85 | 274.34 | 3,981.80 | 64.51 | -850.61 | 853.05 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 16,85 | 274.34 | 4,077.50 | 66.71 | -879.52 | 882.04 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 16.85 | 274,34 | 4,173.21 | 68.90 | -908.43 | 911.04 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 16.85 | 274.34 | 4,268.91 | 71.09 | -937.34 | 940.03 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 16.85 | 274.34 | 4,364.62 | 73.28 | -966.25 | 969.02 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 16.85 | 274.34 | 4,460.32 | 75.48 | -900.23 -995.16 | 998.01 | 0.00 | | |
| | | | 4,460.32 4,556.03 | | | | | 0.00 | 0.00 |
| 4,700.00 | 16.85 | 274.34 | • | 77.67 | -1,024.07 | 1,027.01 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 16.85 | 274.34 | 4,651.73 | 79.86 | -1,052.98 | 1,056.00 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 16.85 | 274.34 | 4,747.44 | 82.05 | -1,081.89 | 1,084.99 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | 16.85 | 274.34 | 4,843.14 | 84.25 | -1,110.80 | 1,113.99 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 16.85 | 274.34 | 4,938.85 | 86.44 | -1,139.70 | 1,142.98 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 16.85 | 274.34 | 5,034.55 | 88.63 | -1,168.61 | 1,171.97 | 0.00 | 0.00 | 0.00 |

Scientific Drilling

Planning Report

Database:

EDM 2003.14.1.0 Single User Db

Company: Project: Newfield Exploration Co. Duchesne County, UT

Site: Well: 9 Mile 4-30-9-16 9 Mile 4-30-9-16

Wellbore: Design: OH Plan #1 Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well 9 Mile 4-30-9-16

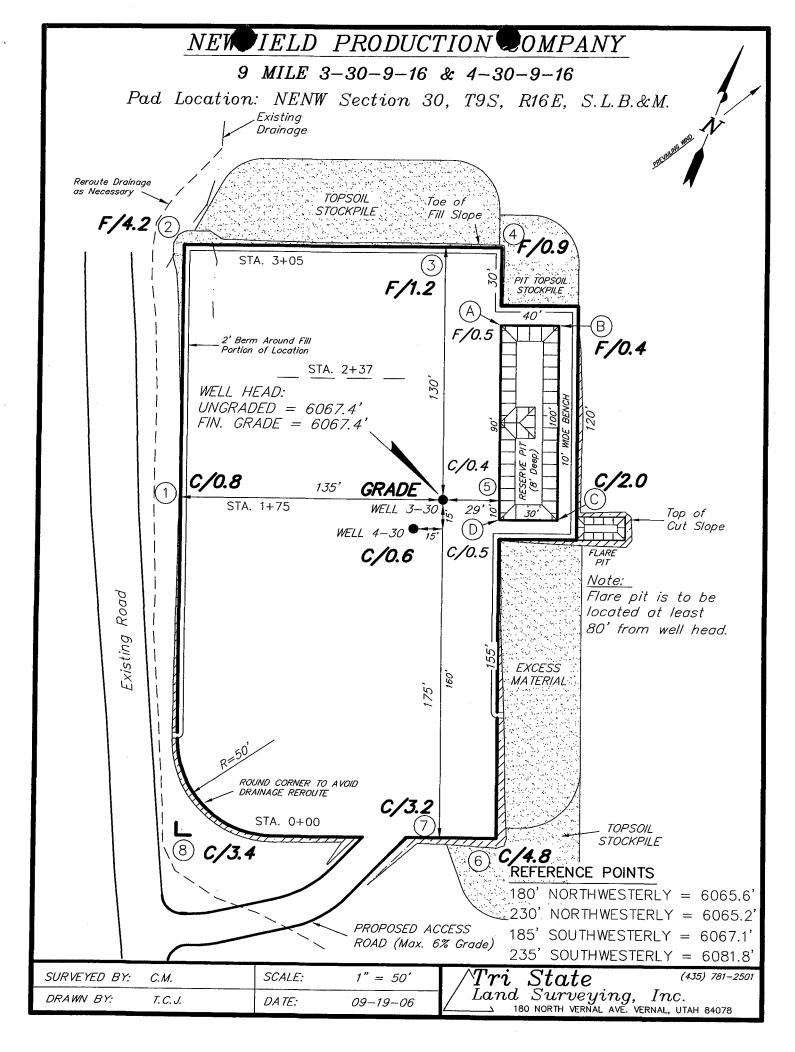
GL 6068' & RKB 12' @ 6080.00ft GL 6068' & RKB 12' @ 6080.00ft

True

Minimum Curvature

| Measured Depth (ft) | inclination (°) | Azimuth (°) | Vertical Depth (ft) | +NU-S (ft) | +E/-W | Vertical Section (ft) | Dogleg Rate (°/190ft) | Build Rate (°/100ft) | Turn Rate (*/100ft) |
|---------------------------|--------------------|----------------|---------------------------|---------------|-----------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 5,300.00 | 16.85 | 274.34 | 5,130.26 | 90.82 | -1,197.52 | 1,200.96 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 16.85 | 274.34 | 5,225.96 | 93.02 | -1,226.43 | 1,229.96 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 16.85 | 274.34 | 5,321.67 | 95.21 | -1,255.34 | 1,258.95 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 16.85 | 274.34 | 5,417.37 | 97.40 | -1,284.25 | 1,287.94 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 16.85 | 274.34 | 5,513.08 | 99.59 | -1,313.16 | 1,316.93 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 16.85 | 274.34 | 5,608.78 | 101.79 | -1,342.07 | 1,345.93 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 16.85 | 274.34 | 5,704.48 | 103.98 | -1,370.98 | 1,374.92 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 16.85 | 274.34 | 5,800.19 | 106.17 | -1,399.89 | 1,403.91 | 0.00 | 0.00 | 0.00 |
| 6,083.39 | 16.85 | 274.34 | 5,880.00 | 108.00 | -1,424.00 | 1,428.09 | 0.00 | 0.00 | 0.00 |

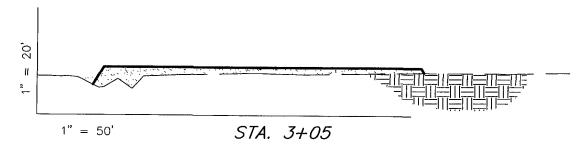
| Targets | | | | | | | | | |
|--|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|-----------------|------------------|
| Target Name | | | | | | | | | |
| - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
| 4-30-9-16 Target - plan hits target - Circle (radius 75.00 | 0.00 | 0.00 | 5,880.00 | 108.00 | -1,424.00 | 7,174,181.93 | 2,013,239.53 | 40° 0' 26.387 N | 110° 10' 8.252 W |

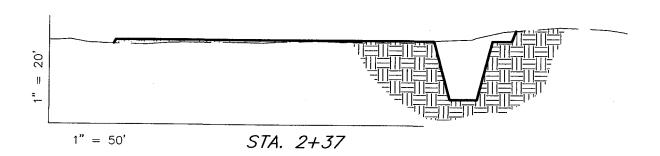


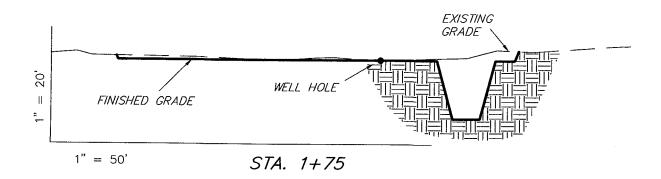
NOWFIELD PRODUCTION COMPANY

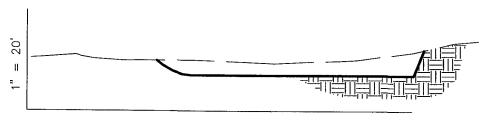
CROSS SECTIONS 9 MILE 3-30-9-16 & 4-30-9-16

Pad Location: NENW Section 30, T9S, R16E, S.L.B.&M.









1" = 50'

STA. 0+00

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

| ITEM | CUT | FILL | 6" TOPSOIL | EXCESS |
|--------|-------|------|-------------------------|--------|
| PAD | 1,570 | 900 | Topsoil is not included | 670 |
| PIT | 580 | 0 | in Pad Cut | 580 |
| TOTALS | 2,150 | 900 | 1,070 | 1,250 |

NOTE: UNLESS OTHERWISE NOTED CUT SLOPES ARE AT 1:1 FILL SLOPES ARE AT 1.5:1

| SURVEYED BY: | C.M. | SCALE: | 1" = 50' | Γ |
|--------------|----------|--------|----------|---|
| DRAWN BY: | T. C. J. | DATE: | 09-19-06 | 2 |

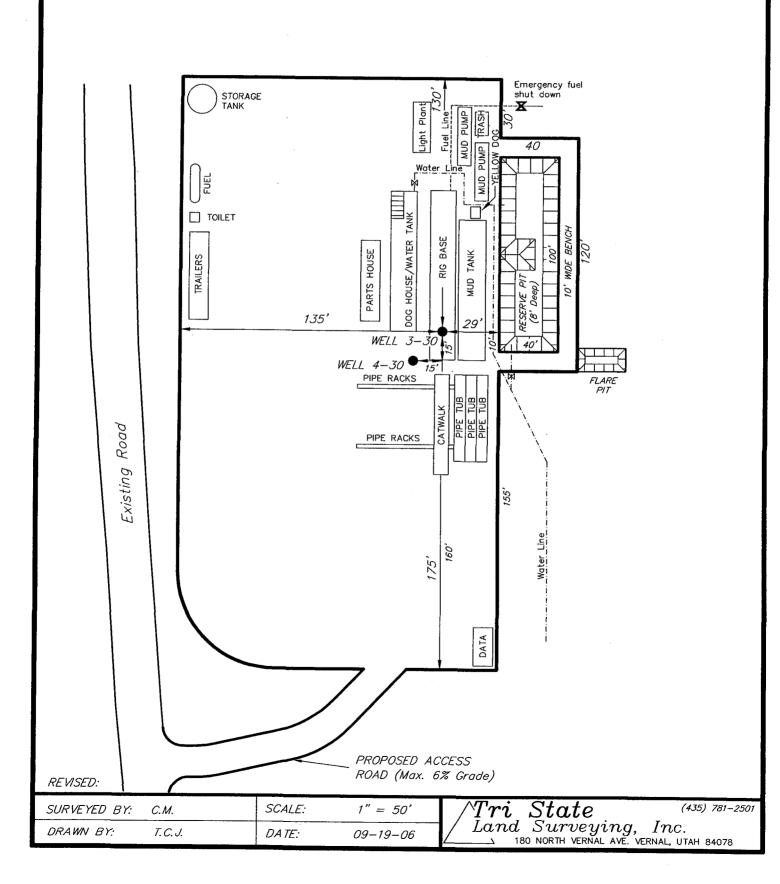
| $\wedge Tri$ | State | (435) 781-250 |
|--------------|-----------------------|--------------------|
| / Land | d Surveying | g, Inc . |
| | 180 NORTH VERNAL AVE. | VERNAL, UTAH 84078 |

NE FIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

9 MILE 3-30-9-16 & 4-30-9-16

Pad Location: NENW Section 30, T9S, R16E, S.L.B.&M.



Newfield Production Company Proposed Site Facility Diagram

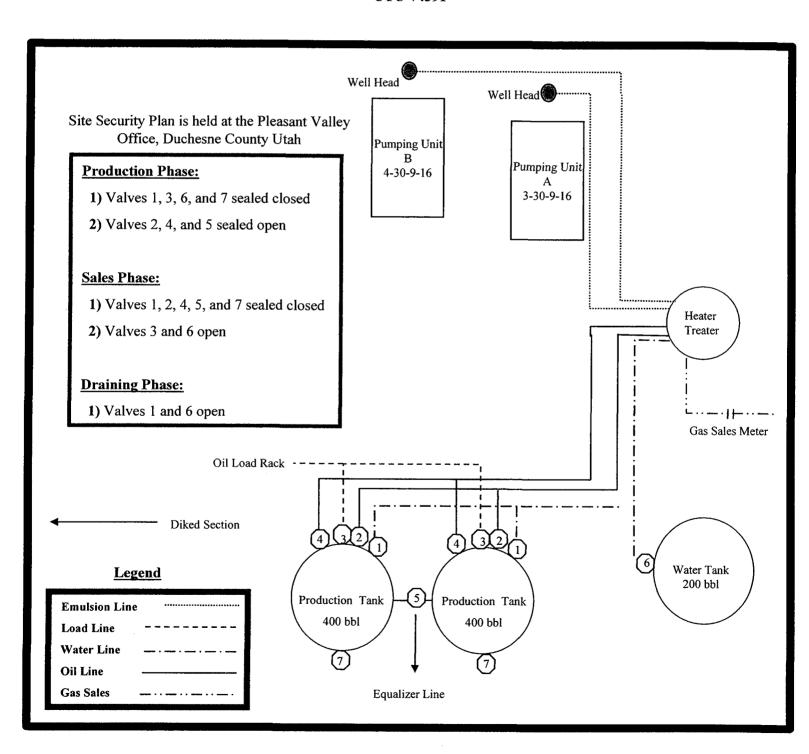
Federal 4-30-9-16

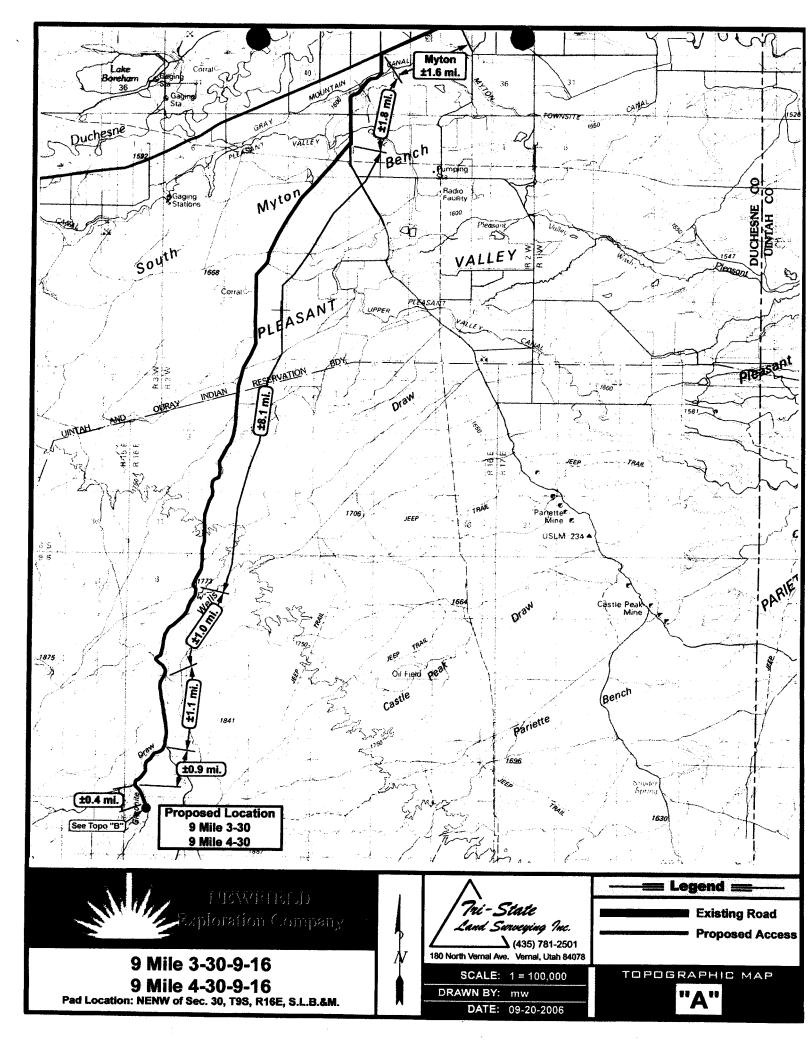
From the 3-30-9-16 Location

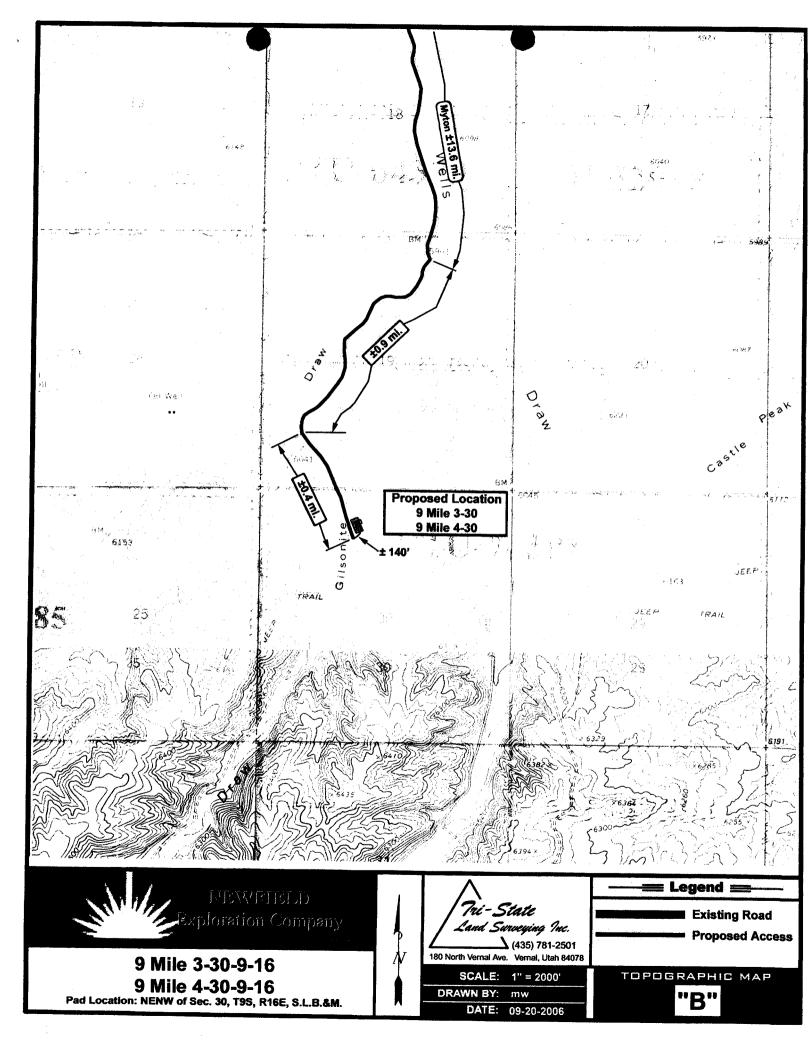
NE/NW Sec. 30 T9S, 16E

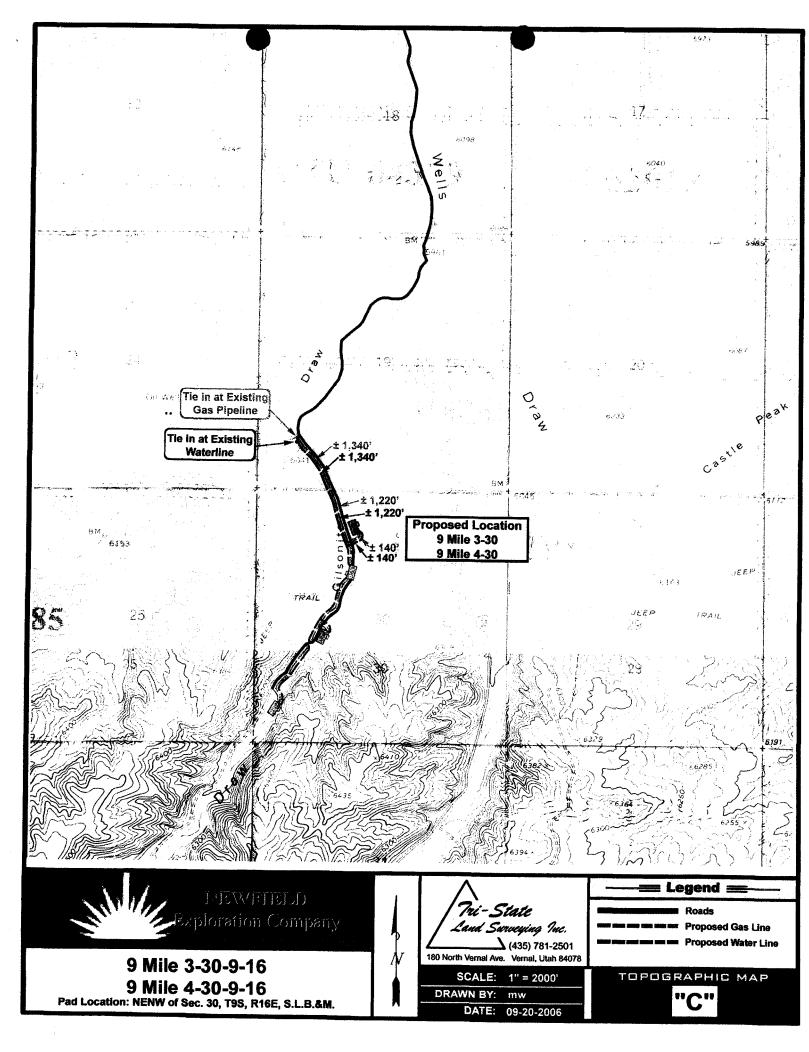
Duchesne County, Utah

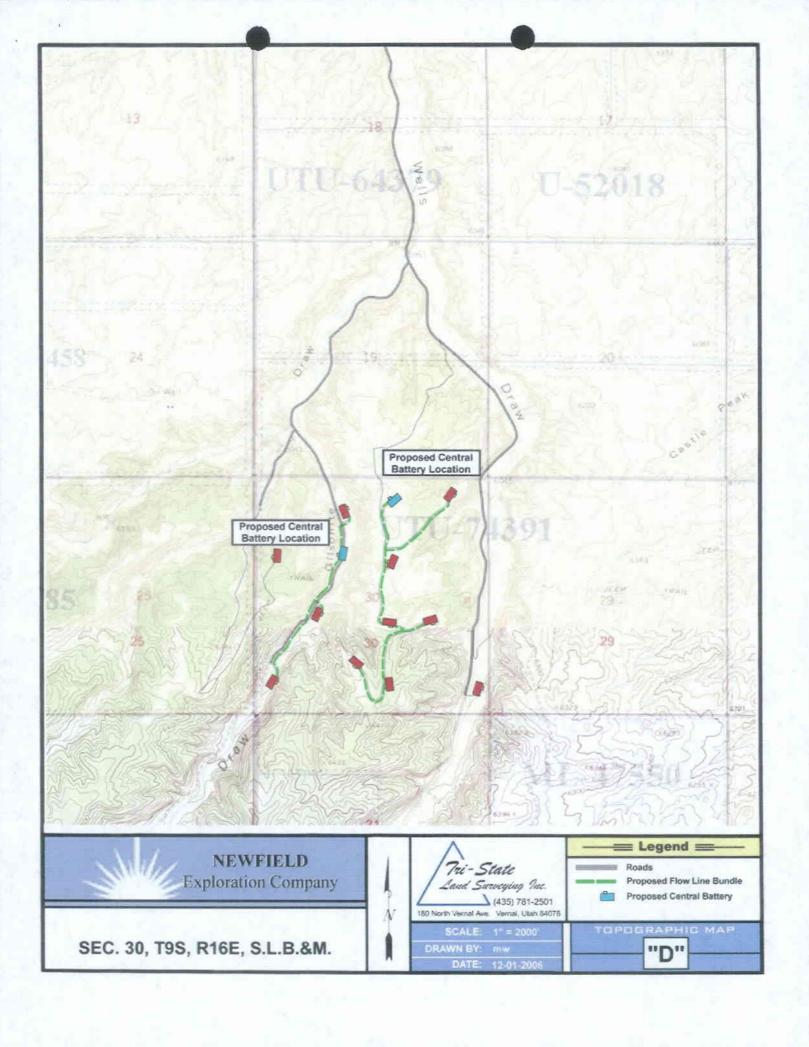
UTU-74391



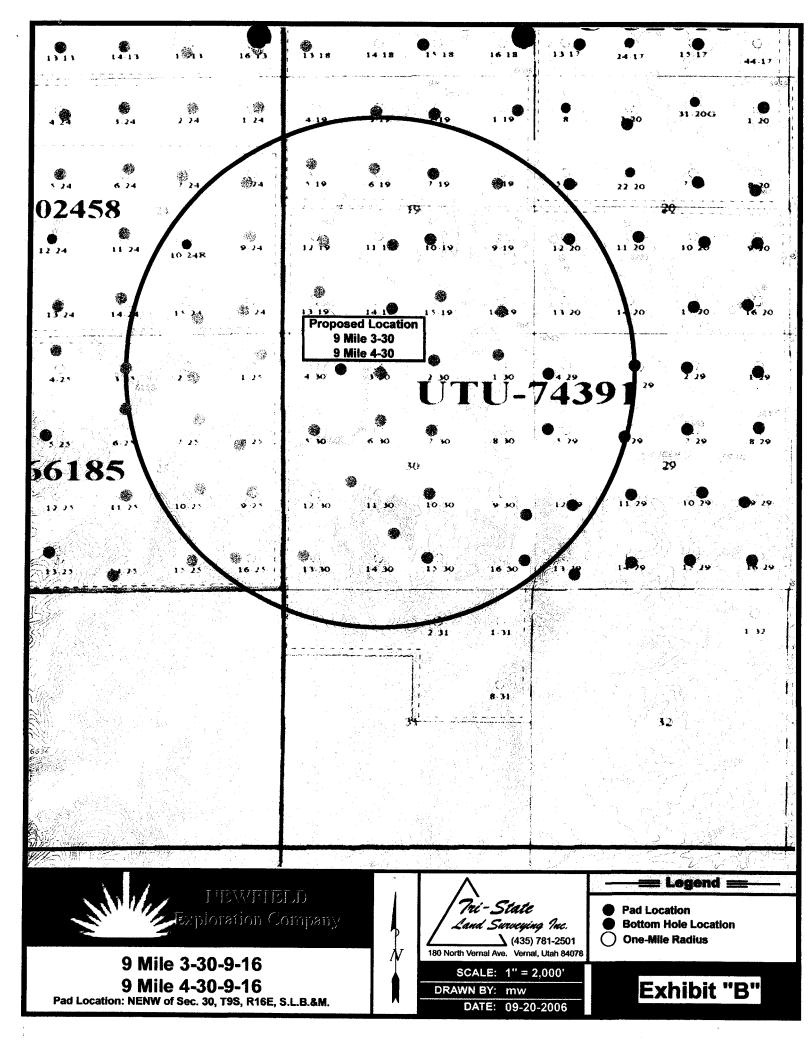








| | 10 | 11 | 12 | 7 | 8 | 9 | 10 |) 11 | | 12 | 7 8 | 8 | 10 | | 11 12 | | 7 8 | | 8 Newfield | | = |
|----------------|---|--|--|---|--|--|--|--|--|---|--|---|---|--|---|---|---------------------------------------|---|---|---|------------------------------|
| 16 | 15 | 14 | 13 | 18 | 1 11 | 1 | 16 435-833VA | | , | 13 | 8 11 | | 48 RIV | | 14 11 | 3 1 | B 11 | 7 | 9 Surf N Drilli 18 9 Walt | ace Spud | |
| 21 | 22 | T46-R3 | Į. | 16 | 21 | | 22 | | 24 | 224 134 1624 934 | 9 20 |) 21 | 1 22 | 11-2 | 23 2 | , | 8 20 | 745. | ✓ Water | er Injection Well Hole ponerity Abendon ged & Abendone | ned |
| 28 | 27 | 26 | 25 | سلہ | 20 20 | 21 28 | Francisco 22 Howyeys | 23 1023 623 | igenogebet Genegali. 2-24 ₁ 5-24 | 678 679 11718 | 20 8-20 f-20 8-20 10-20 6-20 | | 22 32-22 8-22 6 | 2 232 23 23 23 23 23 23 23 23 23 23 23 | 26 2 24 724 824 13-34 10-24 824 | <u> </u> | 20 20 | 8 | > Wate | er Source Weli er Disposal Well tion Stations | |
| 33 | 34 | 35 | 25 | 18 -30 30 | 29 R I SIE | 28 | 27 8-27 10-27 8-27 | 26 620 226 (28 26 620 620 620 | 20 1/24 1/2 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 1/20 | 430 \$40 3130 \$30 30 530 \$30 \$30 530 530 \$30 | 4-29 5.29 2.29 (.29 6-29 6-29 7.29R 9-29 | 20 520 220 620 620 620 620 620 620 620 620 6 | 1622 1621 421 / 221 (21 (21 621 / 22 621) 21 / 22 (22 621) | 2 t 1000 | 1 3 24 34 X 10 11 | | 29 629 2229 1629 4529 3629 4529 | 21 28 8-28 | 27 d21 | 3-13-2 2-26 10-28 33-26 26 26 24-29 34-30 | +28 |
| 15 8 | 3 FR3V | 2-56R 35 | 36 A34 + | West Post | 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 16283 433 533 233 633 533 632 633 22338 32338 | 34 534 234 (34 24 634 (34 634 348 / 1034 (34 | 14.75 34.78 14.75 15.75 14.75 14.75 15.75 14.75 14.75 | \$20 236 16-30 630 630 15-30 15-30 15-30 | 431 631 231 631 631 631 631 631 831 631 631 | 14-29 16-20 16-20 10-20-10-20 16-20 10-20-10-20 16-32 10-20-10-20 16-32 10-32 16-32 10-32 16-32 | 633 633 633 633 83 1033 633 | 64 634 734 634 | 35 35 256 | 24-25 April 10 April | Sunrago (4 431 331 131 831 831 731831 831 831 831 831 | 32 62 1 132R | 33 | 12-04 Parish 34 42-340 364 45-341 | 136236 336 42-3 | 36-11 36-22 36-10 36-K |
| 8 | 10 | 63 M2 62 62 62 62 62 62 62 62 62 62 62 62 62 | 新 新 新 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 斯 | 40 5.6 21-8741-07 16 60 1 42-07 20 11-0 33-67 1-1-07 44-07 | 160 21-80 31-80 41-80 84 22-80 80 25 24-80 30-80-81 12-5 14-8 30-81 | 2140 140 44 134 114 104 54 2140 114 104 54 | လီ သိ သ် ဇ လီ ဗီသ ဂါရ နာ ကိုရ | \$2 \$2 22 4.2 \$2 \$2 \$2 \$2 \$2 \$2 \$2 \$1.2 \$82 \$2 | 21 (1 1994) 81 81 224 (14) 44 42 62 140 | 21-0 51-0 41-0 12-0 25-0 25-02-0 6-0 25-0 55-03-0 17-0 25-03-0 | 1.A 21.5 51.6 1.5 12.5 22.5 1.5 0.5 5 22.5 1.60 43.5 | 24 24 24 64 64 64 64 64 64 64 64 64 64 64 64 64 | 3 23 55 33 1 23 311 163 23 16 1637 1 163 23 1 | 12 12 12 12 12 12 12 12 12 12 12 12 12 1 | 1 11-1 18-1 18-1 18-1 18-1 18-1 | 12-0 14-0 16-0 16-0 13-0 14-0 16-0 16-0 | 12.5 11.5 16.5 2.5 18.5 14.5 | ₹144 ₹144 \$1 ₹14 \$1 \$1 \$1 \$1 | , , | 262 | , |
| 18 | 18 410 | 1 64 × 61 | 6-12 2-12 2-12 1-12 6-12 6-12 1-12 6-12 3 12-12 10-12 1-12 12-12 10-12 | ភ ភួនិ គ ភ ទុំ ភួនិ ២ ភសព ភ្នំ ស សា | 124 /14 144 144 | 119 21-av | 2-10 41-10 7R | 47 511 191 17 32111 18411 ₂₂ 11 ₁ 3 4511 | 1 2 12 12 12 12 12 12 12 12 12 12 12 12 | 12 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 234 2244 128 230 330 430 140 141 140 | 12-8422-84 79 69 12-8422-8435-84 89 12-84 7 8-8418-8 | 2-107 22-16-2-10 10 10 10 10 16 11 12-10 16 11 16 16 16 16 16 16 16 16 16 16 16 | 11 131 731 831 11 1031 831 21 1331 831 | 5-12 6-12 7-12 6-12 12 12-12 ₁₁₋₁₂ 10-12 6-12 14-13 15-12 16-12 | 12.7 18.7 18.7 13.7 18.7 18.7 | 8 % 12.8 | 9 | <u> </u> | 19 18/11 | 12 |
| 21 /61 A134 | 2 16 1/15 4 18 1/15 8 16 5 18 10 16 8 15 12 | 74 554 254 1-14 74 654 254 154 54 1554 654 | 493 513 293 19 13 693 293 693 12 3 1993 10 10 892 13 13 14 13 16 15 16 13 | 21. 78F.16 | 437 Lin Yan 632 17 | | 31-15 41-1 | 3 24-141 2 44-141 6-14 6-14 7-14 6-14 14 12-14 10-14 6-14 14-14 16-14 | 1 21 Pay 2 Pa 1 Pa 1 Pay 2 Pa 1 Pa | 18 2 41-58 18 2 418 6-18 2 9-18 | 11.47 25.77 31.47 41.47 12.47 25.47 32.47 45.47 417 417 417 41.47 11.41 | 11-16 163 162 164 7-16 0-16 18 10-16 16-4 1-16 16-16-16-16-16-16 | 25/154 18 6/16 6/16 5/16 6/16 11/16 10/16 | 14 14 814 14 14 814 14 1514 814 | 13 13 12-13 16-11 16-11 | 兵。378 17 ⁸ 時 17 ⁸ 時 | 19-17 16-17 | 3.96 1.5 18 11.596 9.5 | 15 | 14 33-14 | 13 |
| 322 | \$2.757 4 | 23 323 223 123 | 434 334 234 134 1524 734 | 19 | 31-20G 20 22-20 | 35.217 # 21 2-1 (1) (1) | 15-22 22 | 23 620 1/20 | | 16-1 18 9-19 | 20-1 2-20 20 | 21 21 | 422 222 222 22 | 21-79Y 23 33-23 | 24 | 19 42-19 | | 21 | 22 45 F 189 | 23 | 24 |
| 33 | 27 | 20 🏌 | 25 | 30 | 29 | 28 | 27 | 1-26 26 7-26 | 21-28Y 25 | 41 ⁴ 3 | 28 | 28 | 27 | 28 | 26 | 1-30 30 | 41-29 29 35-29 | 28 | 27 NEW | 26 FIELD | 26 |
| | 34 | 38 | 36 | 31 | 32 | 33 | 34 | 35 | 36 | 31 | 32 | 33 | 34 | 35 | 41-36 | 31 | 32 | 33 | ROCKY M | | + |
| T1(|)S-12 3 | SE ₂ | 1 | 6 | 6 | 4 | 3 | 2 , 13,55 s }≷ | 1 } {************************************ | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | (* - (* ? * 7) • | 4 | 3 | 2 | 1 | []() 8 | 5-K136 | 4 Alams 1401 Deev Phon | LTUCH 9318-8 or Place Building 17th Street Building or, Colonel's 90502-1247 or. (363) 913-0102 | Uintali Counties |) I & 30% |



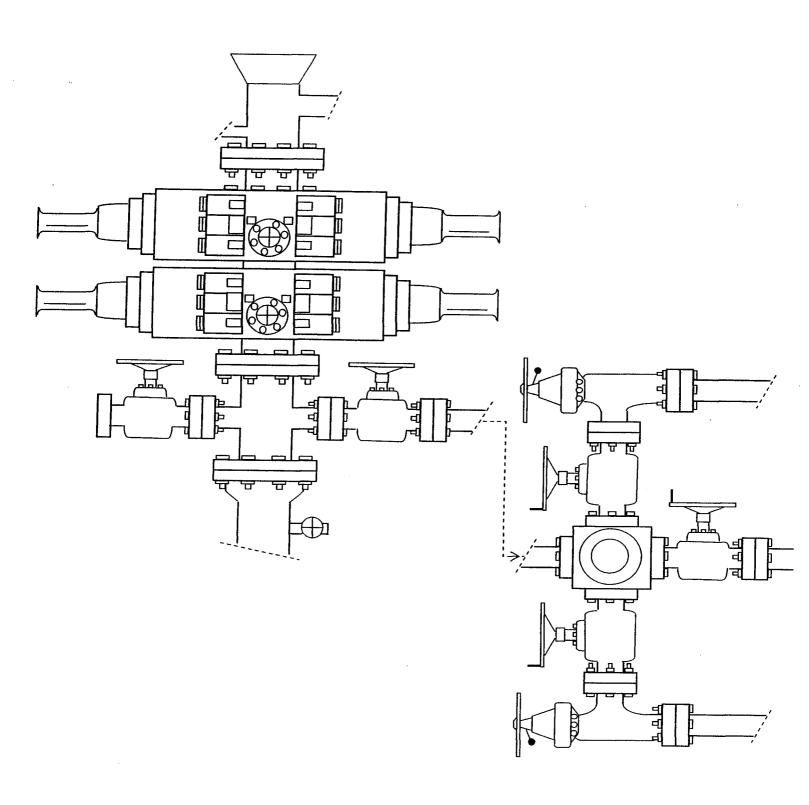


EXHIBIT C

Exhibit "D"

CULTURAL RESOURCE INVENTORY OF NEWFIELD EXPLORATION'S BLOCK PARCEL IN TOWNSHIP 9S, RANGE 16E, SECTIONS 27, 28, 29 AND 30 DUCHESNE COUNTY, UTAH

By:

Jenn Mueller

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company Rt. 3 Box 3630 Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc. P.O. Box 219 Moab, Utah 84532

MOAC Report No. 06-175

September 8, 2006

United States Department of Interior (FLPMA)
Permit No. 06-UT-60122

State of Utah Antiquities Project (Survey) Permit No. U-06-MQ-1111b

NEWFIELD PRODUCTION COMPANY

PALEONTOLOGICAL SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE AND UINTAH COUNTIES, UTAH

NE 1/4, NW 1/4, Section 33, T 9 S, R 18 E; Section 19, T 9 S, R 17 E [entire section excluding the NW 1/4, NW 1/4]; Section 27, T 9 S, R 16 E [entire section excluding the NW 1/4, NW 1/4], Section 28, T 9 S, R 16 E [entire section]; Section 29, T 9 S, R 16 E [entire section]; Section 30, T 9 S, R 16 E [entire section].

REPORT OF SURVEY

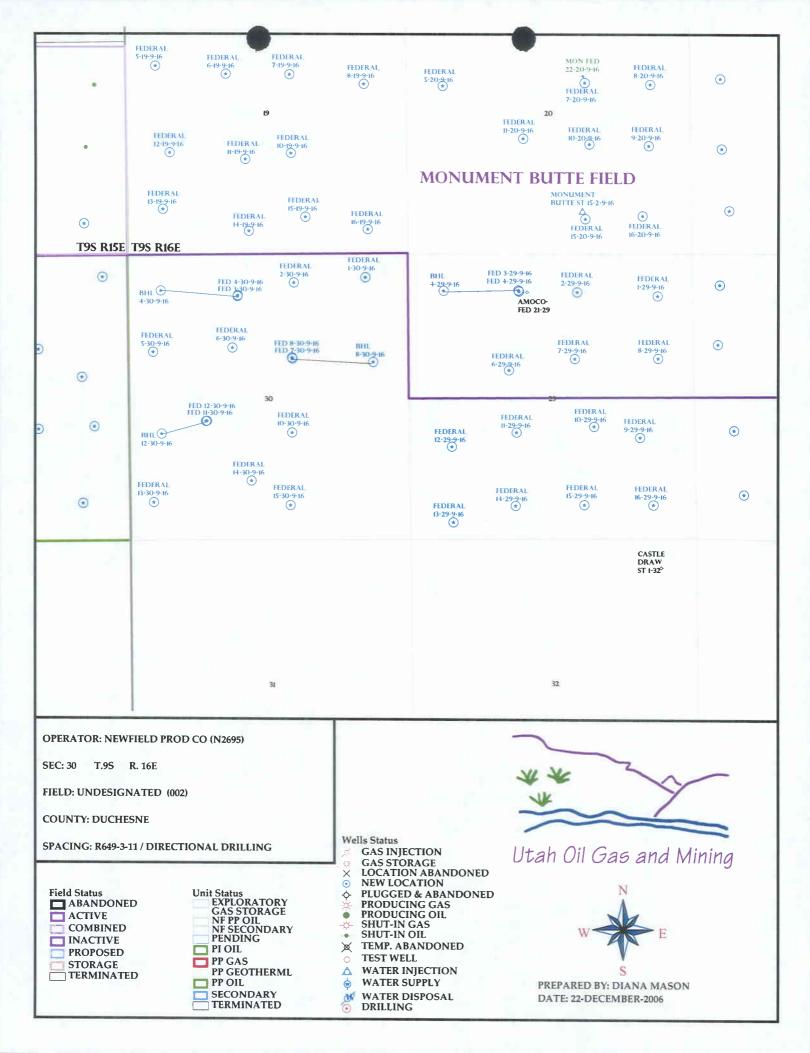
Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller Consulting Paleontologist April 26, 2006

| APD RECEIVED: 12/22/2006 | API NO. ASSIGNED: 43-013-33470 | | | | | | |
|--|---|--|--|--|--|--|--|
| WELL NAME: FEDERAL 4-30-9-16 | | | | | | | |
| OPERATOR: NEWFIELD PRODUCTION (N2695) | PHONE NUMBER: 435-646-3721 | | | | | | |
| CONTACT: MANDIE CROZIER | | | | | | | |
| PROPOSED LOCATION: | INSPECT LOCATN BY: / / | | | | | | |
| NENW 30 090S 160E SURFACE: 0769 FNL 2034 FWL | Tech Review Initials Date | | | | | | |
| BOTTOM: 0661 FNL 0610 FWL | Engineering | | | | | | |
| COUNTY: DUCHESNE | Geology | | | | | | |
| LATITUDE: 40.00714 LONGITUDE: -110.1632 UTM SURF EASTINGS: 571427 NORTHINGS: 4428675 | Surface | | | | | | |
| FIELD NAME: UNDESIGNATED (2) | | | | | | | |
| LEASE TYPE: 1 - Federal LEASE NUMBER: UTU-74391 SURFACE OWNER: 1 - Federal | PROPOSED FORMATION: GRRV COALBED METHANE WELL? NO | | | | | | |
| RECEIVED AND/OR REVIEWED: | LOCATION AND SITING: | | | | | | |
| Plat | R649-2-3. | | | | | | |
| Bond: Fed[1] Ind[] Sta[] Fee[] | | | | | | | |
| (No. <u>UTB000192</u>) | Unit: | | | | | | |
| Potash (Y/N) | R649-3-2. General | | | | | | |
| Oil Shale 190-5 (B) or 190-3 or 190-13 | Siting: 460 From Qtr/Qtr & 920' Between Wells | | | | | | |
| Water Permit (No. MUNICIPAL) | R649-3-3. Exception | | | | | | |
| N RDCC Review (Y/N) | Drilling Unit | | | | | | |
| (Date:) | Board Cause No: | | | | | | |
| <pre></pre> | Eff Date: Siting: | | | | | | |
| NW Intent to Commingle (Y/N) | | | | | | | |
| | V R649-3-11. Directional Drill | | | | | | |
| COMMENTS: Soft, Sperite RC | رو | | | | | | |
| | | | | | | | |
| STIPULATIONS: 1- Pederal Approx | | | | | | | |
| | | | | | | | |
| | | | | | | | |





Ms. Diana Mason Utah Division of Oil, Gas and Mining P.O. Box 145801 Salt Lake City, Utah 84114-5801

Re:

Directional Drilling R649-3-11

Various Wells and Locations (See Attached)

Duchesne County, Utah

Dear Ms.Mason:

Pursuant to the filing of Newfield Production Company's (hereinafter "NPC") Applications for Permit to Drill dated 12/21/2006 (copies enclosed herewith) which concern the wells more particularly described on Exhibit A attached hereto, NPC is hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to Directional Drilling.

These drillsite locations are located on Federal Lease #U-74391. NPC is permitting these wells as directional wells in order to minimize surface disturbance. By locating the wells at the surface locations described and directionally drilling from these locations, NPC will be able to utilize the existing roads and pipelines in the area.

Furthermore, NPC, Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation are the only working interest owners within 460 feet of the entire directional well bores as well as the entire Federal Lease #U-74391. Yates, et al have provided their consent to the locations, and a copy of the consent is attached hereto.

Therefore, based on the above stated information NPC requests the permits be granted pursuant to R649-3-11. Thank you for your consideration in this matter.

Sincerely,

Rhonda Deimer Land Associate RECEIVED
JAN 1 9 2007

DIV. OF OIL, GAS & MINING

DIRECTIONAL DRILLING R649-3-11 WELL EXHIBIT UTU-74391 DUCHESNE COUNTY, UTAH

Federal 4-29-9-16

655' FNL, 2045' FWL (at surface) 663' FNL, 661' FWL (bottomhole) Section 29-T9S-R16E

Federal 4-30-9-16

769' FNL, 2034' FWL (at surface) 661' FNL, 610' FWL (bottomhole) Section 30-T9S-R16E

Federal 8-30-9-16

1917' FNL, 2048' FEL (at surface) 1980' FNL, 656' FEL (bottomhole) Section 30-T9S-R16E

Federal 12-30-9-16

2206' FSL, 1432' FWL (at surface) 1978' FSL, 612' FWL (bottomhole) Section 30-T9S-R16E

Federal 16-30-9-16

667' FSL, 2204' FEL (at surface) 664' FSL, 661' FEL (bottomhole) Section 30-T9S-R16E

Fax to: 303-893-0103

Newfield Production Company

Attn: Rhonda Deimer

Exception Locations:

Federal 4-29-9-16

Federal 4-30-9-16

Federal 8-30-9-16

Federal 12-30-9-16

Federal 16-30-9-16

UTU-74391, Duchesne County, Utah

Please be advised that Yates Petroleum Corporation, Yates Drilling Company, Myco Industries, Inc. and Abo Petroleum Corporation do not have an objection to the proposed locations of the aforementioned wells.

Date: 2-//-8/

Print Name and Title

Senior Cardman

RECEIVED
JAN 1 9 2007



State of Utah

Department of Natural Resources

MICHAEL R. STYLER Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA Division Director JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

January 22, 2007

Newfield Production Company Rt. #3, Box 3630 Myton, UT 84052

Re:

Federal 4-30-9-16 Well, Surface Location 769' FNL, 2034' FWL, NE NW, Sec. 30, T. 9 South, R. 16 East, Bottom Location 661' FNL, 610' FWL, NW NW, Sec. 30, T. 9 South, R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33470.

Sincerely,

Gil Hunt

Associate Director

Stil FL F

pab Enclosures

cc:

Duchesne County Assessor

Bureau of Land Management, Vernal District Office

| Operator: | Newfield Production Company. | | |
|--------------------------------|-------------------------------|------------|--------------------|
| Well Name & Number | ne & Number Federal 4-30-9-16 | | |
| API Number: | 43-013- | 33470 | |
| Lease: | <u>UTU-7</u> 4 | 1391 | |
| Surface Location: <u>NE NW</u> | Sec30_ | T. 9 South | R. _16 East |
| Bottom Location: NW NW | Sec. 30 | T. 9 South | R. 16 East |

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.
- 6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

FORM 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

| FORM APPROVED | |
|-----------------------------|--|
| Budget Bureau No. 1004-0135 | |
| Expires: March 31, 1993 | |

| BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS | | Expires: March 31, 1993 |
|---|--|--|
| | | 5. Lease Designation and Serial No. UTU-74391 |
| | | 6. If Indian, Allottee or Tribe Name |
| Do not use this form for proposals to drill or to deepen or reentry a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals | | NA |
| | | |
| | | 7. If Unit or CA, Agreement Designation |
| | N TRIPLICATE | N/A |
| I. Type of Well Gas | | 8. Well Name and No. |
| X Well Well Other | | FEDERAL 4-30-9-16 |
| 2. Name of Operator | | 9. API Well No. 43-013-33470 |
| NEWFIELD PRODUCTION COMPANY | | 10. Field and Pool, or Exploratory Area |
| 3-Address and Telephone No. | | MONUMENT BUTTE ** |
| Rt. 3 Box 3630, Myton Utah, 84052 435-4 4: Location of Well (Footage, Sec., T., R., m., or Survey Description) | | 11. County or Parish, State |
| | ion 30, T9S R16E | DUCHESNE COUNTY, UT. |
| 12. CHECK APPROPRIATE BOX(s |) TO INDICATE NATURE OF NOTICE, REPORT | , OR OTHER DATA |
| TYPE OF SUBMISSION | TYPE OF A | |
| X Notice of Intent | Abandonment | Change of Plans |
| Notice of micsi | Recompletion | New Construction |
| Subsequent Report | Plugging Back | Non-Routine Fracturing |
| Final Abandonment Notice | Casing Repair Altering Casing | Water Shut-Off Conversion to Injection |
| | X Other Permit Extension | Dispose Water |
| | | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |
| 13. Describe Proposed or Completed Operations (Clearly state all pertinent detail | s, and give pertinent dates, including estimated date of starting any proposed wor | |
| ally drilled, give subsurface locations and measured and true vertical depth | | 11.00 |
| The ECONOMIC CASE CASE CASE CASE CASE CASE CASE CAS | | |
| A 77.34 S | sts to extend the Permit to Drill this well | for one year. The original |
| approval date was 1/22/07 (expiration | 1/22/08). | |
| , <u> </u> | | • |
| . This APD has not been approved yet | by the BLM. | w. - |
| | | • |
| | Approved by the | |
| | Utah Division of | |
| | Oil, Gas and Mining | • |
| | | |
| | D-10-10-080 A | |
| COPY SINI TO OPERATOR | Date: 01-10-03 | ••• |
| initials: KA | By: Recollection | |
| | Di. Drostham | |
| | | egen |
| 4. Phereby ceptify that the foregoing is true and correct | • | · · · · · · · · · · · · · · · · · · · |
| Signed Manuel 199 | Title Regulatory Specialist | Date 1/10/2008 |
| Mandie Crozier C | / | |
| CC: UTAH DOGM | | MF. |
| (This space for Federal or State office use) | Title | Date |
| Approved by | Title | L'au |
| Conditions of approval, if any: CC: Utah DOGM | | |
| Title 19 LT C. C. Castley 1001 co-less it a miles for any and the | uningly and willfully to make to any department on conney of the I le | ted States any falce fictitions |

or fradulent statements or representations as to any matter within its jurisdiction.

Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

| Well Name: Federal 4-30-9-16 Location: NW/NW Section 30,T9S R16E Company Permit Issued to: Newfield Production Company Date Original Permit Issued: 1/22/2007 | | |
|---|--|--|
| The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. | | |
| Following is a checklist of some items related to the application, which should be verified. | | |
| If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☑No□ | | |
| Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□ No ☑ | | |
| Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑ | | |
| Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No☑ | | |
| Has the approved source of water for drilling changed? Yes□No☑ | | |
| Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑ | | |
| Is bonding still in place, which covers this proposed well? Yes ☑No ☐ | | |
| 1/7/2008 | | |
| Signature Date | | |
| Title: Regulatory Specialist | | |
| RECEIVED | | |
| Representing: Newfield Production Company JAN 0 9 2008 | | |

DIV. OF OIL, GAS & MINING

FORM 3160-5 (June 1990)

Conditions of approval, if any:

CC: Utah DOGM

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| FORM APPROVED | |
|-----------------------------|--|
| Budget Bureau No. 1004-0135 | |
| E ') (01 1000 | |

| Budget E | ureau No. | 1004-01 |
|----------|-----------|---------|
| Erminaar | Manak 21 | 1002 |

| | Expired: Material, 1995 |
|---|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | 5. Lease Designation and Serial No. UTU-74391 |
| Do not use this form for proposals to drill or to deepen or reentry a different reservoir. | 6. If Indian, Allottee or Tribe Name |
| Use "APPLICATION FOR PERMIT -" for such proposals | NA |
| | |
| SUBMIT IN TRIPLICATE | 7. If Unit or CA, Agreement Designation |
| 1. Type of Well | N/A |
| X Oil Gas | 8. Well Name and No. |
| Well Well Other | FEDERAL 4-30-9-16 9. API Well No. |
| 2. Name of Operator | 43-013-33470 |
| NEWFIELD PRODUCTION COMPANY 3. Address and Telephone No. | 10. Field and Pool, or Exploratory Area MONUMENT BUTTE |
| Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721 | 11. County or Parish, State |
| 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) | |
| 769 FNL 2034 FWL NW/NW Section 30, T9S R16E | DUCHESNE COUNTY, UT. |
| 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, RI | EPORT, OR OTHER DATA |
| | OF ACTION |
| X Notice of Intent Abandonment | Change of Plans |
| Recompletion | New Construction |
| Subsequent Report Plugging Back Casing Repair | Non-Routine Fracturing Water Shut-Off |
| Final Abandonment Notice Altering Casing | Conversion to Injection |
| X Other Permit Extension | Dispose Water |
| | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |
| Newfield Production Company requests to extend the Permit to Drill thi | s well for one year. |
| | COPY SENT TO OPERATOR |
| Approved by the | Date: 1.13.2009 |
| Utah Division of | Initials: 145 |
| Oil, Gas and Mining | It indicates |
| Date: 01-12-01 By: | RECEIVED |
| <i>M</i> | JAN 08 2009 |
| | JAN U G 2003 |
| 4 | DIV OF OIL GAS & MINING |
| 14. I hereby certify that the foregoing is true and correct Signed Mandie Crozier Title Regulatory Specialist | Date 1/5/2009 |
| CC: UTAH DOGM | |
| (This space for Federal or State office use) | Dut |
| Approved by Title | Date |



Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

| API: 43-013-33470 Well Name: Federal 4-30-9-16 Location: NW/NW Section 30,T9S R16E Company Permit Issued to: Newfield Production Company Date Original Permit Issued: 1/22/2007 | | | | | | | | |
|---|----------|--|--|--|--|--|--|--|
| The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. | | | | | | | | |
| Following is a checklist of some items related to the application, which should be verified. | <u> </u> | | | | | | | |
| If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes⊡No☑ | | | | | | | | |
| Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☑ | ct | | | | | | | |
| Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No☑ | | | | | | | | |
| Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☑ | | | | | | | | |
| Has the approved source of water for drilling changed? Yes□No☑ | | | | | | | | |
| Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑ | | | | | | | | |
| Is bonding still in place, which covers this proposed well? Yes ☑ No ☐ | | | | | | | | |
| 1/5/2009 | | | | | | | | |
| Signature Date | | | | | | | | |
| Title: Regulatory Specialist | | | | | | | | |
| RECEIVE | | | | | | | | |
| Representing: Newfield Production Company JAN 08 200 | 9 | | | | | | | |

RECEIVED

DEC 2 2 2006

BLM VERNAL UTAH

| (September 2001) | | | زالها لمعارضون | OMB No. 1 Expires Janua | 1004-0136 | | |
|--|---|---|---|--|-------------------------|-------------|--|
| UNITED STATES | | | | 5. Lease Serial No. | 19 31, 2004 | | |
| DEPARTMENT OF THE II BUREAU OF LAND MANA | | | | UTU-74391 6. If Indian, Allottee or Tribe Name N/A | | | |
| APPLICATION FOR PERMIT TO DI | | REENTER | | | | | |
| la. Type of Work: DRILL REENTE | 7. If Unit or CA Agreer | nent, Name and N | lo. | | | | |
| lb. Type of Well: Oil Well Gas Well Other | X (| Single Zone 🔲 Multip | ple Zone | 8. Lease Name and We Federal 4-30-9- | | | |
| Name of Operator Newfield Production Company | | | | 9. API Well No. | | | |
| 3a. Address | 3h Phone ? | No. (include area code) | | <i>√3-0/3-</i> 10. Field and Pool, or Ex | | | |
| Route #3 Box 3630, Myton UT 84052 | (435) 646 | , | | Monument Butt | | | |
| 4. Location of Well (Report location clearly and in accordance with | 1 | | | 11. Sec., T., R., M., or B | | Area | |
| At surface NE/NW 769' FNL 2034' FWL | | ,, | | | | | |
| At proposed prod. zone NW/NW 661' FNL 610' FWI | L. | | - | Sec. 30, T9 | S R16E | | |
| 14. Distance in miles and direction from nearest town or post office* Approximatley 15.0 miles southwest of Myton, Utah | | · . | | 12. County or Parish Duchesne | 13. State | ; | |
| 15. Distance from proposed* | 16. No. of | Acres in lease | 17. Spacin | ng Unit dedicated to this well | | | |
| location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 610 f/lse, NA f/unit | 2139.50 | | | 40 Acres | | | |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1520' | 19. Propos | • | /BIA Bond No. on file | | | | |
| | 5880' | | | UTB000192 | | | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) | Approximate date work will start* 23. Estimated duration Approximately seven (7) days from spud to rig release. | | | | | | |
| 6068' GL | | achments | | Approximately seven (7) days no | in spud to ligitelease. | | |
| The following, completed in accordance with the requirements of Onsho | | | tached to this | : form: | | | |
| Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). | | 4. Bond to cover the Item 20 above). 5. Operator certification. | he operation ation. specific info | ormation and/or plans as | | · | |
| 25. Signature | | e (Printed/Typed) | | 1 D | ate | * . | |
| I fandi long | ¦ Ma | ndie Crozier | | r, | 12/21/06 | | |
| Title Regulatory Specialist | | | | | | · . | |
| Approved by (Signature) | Nam | e (Printed/Typed) | _ | i I | Date | 000 | |
| Title Assistant Fold Manager | 066 | JERRY HENCE | # | <u> </u> | LER NO | _200 | |
| Title Asylstant Field Manager | i Offi | C VERNAL FI | ELD O | TICE | | | |
| Application approval does not warrant or certify the the applicant holds loperations thereon. Conditions of approval, if any, are attached. | egal or equita | | | | he applicant to co | nduet | |
| Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it States any false, fictitious or fraudulent statements or representations as t | a crime for a o any matter | any person knowingly an within its jurisdiction. | d willfully t | o make to any department | or agency of the | United | |
| *(Instructions on reverse) | | | RE | CEIVED | | | |

FEB 19 2009

DIV. OF OIL, GAS & MINING

ucosm

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL 07 Jm0667A

Posted 3/22/07



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE

VERNAL FIELD OFFICE
VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:

Newfield Production Company

Location:

NENW, Sec.30,T9S R16E

Well No: Feder API No: 43-01

Federal 4-30-9-16 43-013-33470 Lease No:

UTU-74391

Agreement:

N/A

| Title | Name | Office Phone Number | Cell Phone Number |
|-----------------------------------|--------------------|---------------------|-------------------|
| Petroleum Engineer: | Matt Baker | (435) 781-4490 | (435) 828-4470 |
| Petroleum Engineer: | Michael Lee | (435) 781-4432 | (435) 828-7875 |
| Petroleum Engineer: | Ryan Angus | (435) 781-4430 | (435) 828-7368 |
| Supervisory Petroleum Technician: | Jamie Sparger | (435) 781-4502 | (435) 828-3913 |
| Supervisory NRS: | Karl Wright | (435) 781-4484 | |
| NRS/Enviro Scientist: | Holly Villa | (435) 781-4404 | (435) 828-3544 |
| NRS/Enviro Scientist: | James Hereford | (435) 781-3412 | (435) 828-3546 |
| NRS/Enviro Scientist: | Chuck Macdonald | (435) 781-4441 | (435) 828-7481 |
| NRS/Enviro Scientist: | Dan Emmett | (435) 781-3414 | (435) 828-4029 |
| NRS/Enviro Scientist: | Paul Percival | (435) 781-4493 | (435) 828-7381 |
| NRS/Enviro Scientist: | Anna Figueroa | (435) 781-3407 | (435) 828-3548 |
| NRS/Enviro Scientist: | Verlyn Pindell | (435) 781-3402 | (435) 828-3547 |
| NRS/Enviro Scientist: | Nathan Packer | (435) 781-3405 | (435) 828-3545 |
| NRS/Enviro Scientist: | David Gordon | (435) 781-4424 | |
| NRS/Enviro Scientist: | Christine Cimiluca | (435) 781-4475 | |
| NRS/Enviro Scientist: | Lori Ford | (435) 781-4406 | |

Fax: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

NOTIFICATION REQUIREMENTS

| Location Construction (Notify Environmental Scientist) | Forty-Eight (48) hours prior to construction of location and access roads. |
|--|--|
| Location Completion (Notify Environmental Scientist) | - Prior to moving on the drilling rig. |
| Spud Notice (Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing (Notify Supv. Petroleum Tech.) | Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice (Notify Petroleum Engineer) | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

Page 2 of 7 Well: Federal 4-30-9-16 2/4/2009

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

Wildlife

- Wells 1-30-9-16, 2-30-9-16, 3-30-9-16, 4-30-9-16, 3-29-9-16, and 4-29-9-16 will be located within Crucial Elk Calving habitat. In order to minimize impacts, no construction, drilling, or other development activity will be allowed from May 15 thru June 30.
- If it is anticipated that construction or drilling will occur during the given timing restrictions for any wildlife, a BLM or qualified biologist should be notified so surveys can be conducted. Depending upon the results of the survey, permission to proceed may or may not be recommended or granted.
- Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.

Interim and Final Reclamation

Reclamation Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1. The reserve pit and the portion of the well not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area. Seeding shall be implemented in the fall only, between August 15 and December 15. The seed shall be drilled wherever possible. If the seed is aerially broadcasted, then the seed shall be covered immediately (crimped into the topsoil with a bulldozer or other heavy equipment). Forage Kochia shall be applied to the surface and not covered. If initial seeding is not successful, reseeding may be required.

Interim and Final Seed mix for wells: 1-28-9-16, 2-28-9-16, 3-28-9-16, 4-28-9-16, 1-29-9-16, 2-29-9-16, 3-29-9-16, 4-29-9-16, 1-30-9-16, and 2-30-9-16.

| Common name | Latin name | lbs/acre | Recommended |
|-------------|------------|----------|---------------|
| | | | seed planting |

| | | | depth |
|-------------------------------|--|------|------------|
| Squirreltail grass | Elymus elymoides | 3.0 | 1/4 - 1/2" |
| Shadscale saltbush | Atriplex confertifolia | 0.50 | 1/2" |
| Four-wing saltbush | Atriplex canescens | 0.50 | 1/2" |
| Scarlet globemallow | Sphaeralcea coccinea | 0.10 | 1/8 – 1/4" |
| Western wheatgrass | Pascopyrum smithii | 2.0 | 1/2" |
| Ephraim Crested Wheatgrass | Agropyron cristatum var. Ephraim | 2.0 | 1/2" |
| Anatone bluebunch wheatgrass | Agropyron spicatum var. Anatone | 2.0 | 1/2" |
| Ladak Alfalfa | Medicago sativa var. Ladak | 1.0 | 1/2" |

Interim and Final Seed mix for wells: 3-30-9-16, 4-30-9-16

| Common name | Latin name | lbs/acre | Recommended seed planting depth |
|-------------------------------|--|----------|---------------------------------------|
| Western Wheatgrass | Pascopyrum smithii | 3.0 | 1/4 - 1/2" |
| Ephraim Crested Wheatgrass | Agropyron cristatum var. Ephraim | 2.0 | 1/2" |
| Ladak Alfalfa | Medicago sativa var. Ladak | 1.0 | 1/2" |
| Scarlet globemallow | Sphaeralcea coccinea | 1.0 | 1/8 - 1/4" |
| Shadscale | Atriplex confertifolia | 2.0 | 1/2" |
| Fourwing Saltbush | Atriplex canescens | 2.0 | 1/2" |
| Winterfat | Ceratoides lanata | 1.0 | 1/2" |
| Forage Kochia2 | Kochia prostrata | 0.5 | 1/2" |

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

Final reclamation:

• Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be recontoured to natural topography, topsoil shall be respread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. *Final seed mix*: same as interim unless otherwise instructed.

Page 4 of 7 Well: Federal 4-30-9-16 2/4/2009

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

• A complete angular deviation and directional survey report shall be submitted to the Vernal BLM Field Office withing 30 days following the completion of the well.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the
 daily drilling report. Components shall be operated and tested as required by Onshore Oil &
 Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be
 performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be
 reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water
 is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM
 Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person

Page 5 of 7 Well: Federal 4-30-9-16 2/4/2009

making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
 Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: Federal 4-30-9-16 2/4/2009

OPERATING REQUIREMENT REMINDERS:

• All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - o Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - o The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - o Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

Page 7 of 7 Well: Federal 4-30-9-16 2/4/2009

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field
 Office Petroleum Engineers will be provided with a date and time for the initial meter calibration
 and all future meter proving schedules. A copy of the meter calibration reports shall be
 submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API
 standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All
 measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted
 to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs
 first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be
 adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively
 sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
 lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of
 a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval
 may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
 equipment shall be removed from a well to be placed in a suspended status without prior
 approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30
 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given
 before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

| | | FORM 9 | |
|--|---|--------------------------------|--|
| | DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINI | | 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391 |
| SUND | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | |
| | sals to drill new wells, significantly deepen e ugged wells, or to drill horizontal laterals. Us | | 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 1. TYPE OF WELL Oil Well | | | 8. WELL NAME and NUMBER: FEDERAL 4-30-9-16 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM | IPANY | | 9. API NUMBER: 43013334700000 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84 | 435 646-4825 Ext | PHONE NUMBER: | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0769 FNL 2034 FWL | | | COUNTY: DUCHESNE |
| QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 30 | P, RANGE, MERIDIAN: Township: 09.0S Range: 16.0E Meridian: S | | STATE: UTAH |
| 11. | CK APPROPRIATE BOXES TO INDICATE | NATURE OF NOTICE, REPORT, | , OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| | ☐ ACIDIZE [| ALTER CASING | CASING REPAIR |
| NOTICE OF INTENT Approximate date work will start: 1/11/2010 | CHANGE TO PREVIOUS PLANS | CHANGE TUBING | CHANGE WELL NAME |
| 1/11/2010 | CHANGE WELL STATUS | COMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE |
| SUBSEQUENT REPORT Date of Work Completion: | L DEEPEN L | FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| · | OPERATOR CHANGE | PLUG AND ABANDON | ☐ PLUG BACK |
| SPUD REPORT | PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION |
| Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | LI TUBING REPAIR | UVENT OR FLARE | WATER DISPOSAL |
| DRILLING REPORT Report Date: | | SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | WILDCAT WELL DETERMINATION | OTHER | OTHER: |
| l . | MPLETED OPERATIONS. Clearly show all pertings | | volumes, etc. |
| Newneid propose | es to extend the permit to drill | uns wen for one year. | Approved by the |
| | | | Utah Division of |
| | | | Oil, Gas and Mining |
| | | - | Date: January 11, 2010 |
| | | _ | on cut ill |
| | | E | By: Dally III |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| NAME (PLEASE PRINT) Mandie Crozier | PHONE NUMBER 435 646-4825 | TITLE Regulatory Tech | |
| SIGNATURE N/A | | DATE 1/11/2010 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013334700000

API: 43013334700000 Well Name: FEDERAL 4-30-9-16

Location: 0769 FNL 2034 FWL QTR NENW SEC 30 TWNP 090S RNG 160E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 1/22/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

 If located on private land, has the ownership changed, if so, has the surface agreement been updated? (Yes land No • Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?
Yes
No Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? 💮 Yes 📵 No · Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? 📗 Yes 📵 No Has the approved source of water for drilling changed?

Yes Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? (ii) Yes (iii) No Approved by the • Is bonding still in place, which covers this proposed well? Yes 📖 No Utah Division of Oil, Gas and Mining

Signature: Mandie Crozier **Date:** 1/11/2010

> January 11, 2010 Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY Date:

Spud BLM - Vernal Field Office - Notification Form

| Operator Newfield Exploration Rig Name/# Ross Rig # 21 Submitted By Don Bastian Phone Number 435-823- 6012 |
|---|
| Well Name/Number <u>Federal 4-30-9-16</u> Qtr/Qtr <u>NE/NW</u> Section <u>30</u> Township <u>9S</u> Range 16E Lease Serial Number <u>UTU-74391</u> API Number 43-013-33470 |
| <u>Spud Notice</u> – Spud is the initial spudding of the well, not drilling out below a casing string. |
| Date/Time <u>8/15/10</u> <u>8:00</u> AM ⊠ PM □ |
| Casing – Please report time casing run starts, not cementing times. ✓ Surface Casing ✓ Intermediate Casing ✓ Production Casing ✓ Liner ✓ Other |
| Date/Time <u>8/15/10</u> <u>2:00</u> AM ☐ PM ⊠ |
| BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other |
| Date/Time AM Description PM Description |

Remarks Ross Rig #21 Will Spud The Federal 4-30-9-16 @ 8:00 AM On 8/15/10. Run 8 5/8 Casing @ 2:00 PM 8/15/10.

ADDRESS: RT. 3 BOX 3630

OPERATOR: NEWFIELD PRODUCTION COMPANY

OPERATOR ACCT, NO.

N2695

MYTON, UT 84052

| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | | | | | | | |
|----------------|-----------------------------------|-------------------|------------|-----------------------|--------------|--|----------|----------|-----------|--|-------------------|
| | LINITI NO. | ENTITY NO. | | | ଘଣ | sc | WELL | OCATION | COUNTY | SPUD DATE | EFFECTIVE |
| Α | 99999 | 17756 | 4301350344 | UTE TRIBAL 2-23-4-3 | NWNE. | 23 | 48 | 3W | DUCHESNE | 8/14/2020 | DATE C/20 / |
| WELL 1 | COMMENTS: | | | | | | | 1 | DOUILOIAL | 0/14/2020 | 1 8/30 //0 |
| | GRR | <i>/</i> | | | | | | | | بيان المان الم | - |
| ACTION | CURRENT | NEW | API NUMBER | WELL NAME | | 1A/C | LL LOCAT | 101 | | | |
| CODE | ENTITY NO. | ENTITY NO. | | | QQ | SC | TP | RG | COUNTY | SPUD DATE | EFFECTIVE |
| В | 99999 | 17400 | 4301333470 | FEDERAL 4-30-9-16 | NENW NWNW | 30 | 98 | 16E | DUCHESNE | | 8 /20 /10 |
| ACTION | GRRV BHL = HWHW - | | | | | | | | | | |
| ACTION | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | | | WELL | OCATION | | SPUD | EFFECTIVE |
| i l | | | | | QQ | sc | 1P | RG | COUNTY | SPUD DATE | EFFECTIVE |
| В | 99999 | 17400 | 4301334201 | W POINT FED 1-31-8-16 | NENE | 31 | 88 | 16E | DUCHESNE | 8/18/2010 | 8/30/10 |
| | GRRV | | | | | | | | | | |
| ACTION CODE | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | | | WELL L | OCATION | | SPUD | CONTRACTOR OF |
| Α | 99999 | 17757 | 4301350343 | UTE TRIBAL 1-23-4-3 | NENE | 23 | ™ 4S | RG 3W | DUCHESNE | 8/18/2010 | EFFECTIVE DATE |
| | GRRV | | | | | | -10 | | DOGILSNE | 0/10/2010 | 1 8/ 20//0 |
| ACTION | CURRENT ENTITY NO. | NEW ENTITY NO. | API NUMBER | WELL NAME | | | WELLL | OCATION | | SPUD | ECCCATA III |
| | | ZRITT NO. | | | 00 | sc | ΥP | RG | COUNTY | DATE | EFFECTIVE DATE |
| Α | 99999 | 17758 | 4301350346 | UTE TRIBAL 14-23-4-3 | SESW | 23 | 48 | 3W | DUCHESNE | 8/19/2010 | 8/30/10 |
| | GRRV | | | | | | | | | Y | |
| ACTION | CURRENT | NEW | API NUMBER | WELL NAME | T | ······································ | WELL I | CATION | T | SPUD | |
| - WOE | ENTITY NO. | ENTITY NO. | | | QQ | sc | ΤP | RG | COUNTY | DATE | EFFECTIVE DATE |
| В | 99999 | 17400 | 4301334195 | W POINT FED 7-31-8-16 | SWNE | 31 | 8D | 16E | DUCHESNE | 8/20/2010 | 8/30/10 |
| VVELL 5 C | GRRU | | | | | | | | | | |
| ACTION C | ODES (See instructions on back | of form) | | | | | | | | A 1 | |
| A-1 | now antity for new wall (single v | veil only) | | RECEIVE | ED . | | | | F/1 | // / | |

C - from one existing entity to another existing entity

D - well from one existing entity to a new entity

E - ther (explain in comments section)

AUG 2 6 2010

DIV. OF OIL, GAS & MINING

Jentri Park

Production Clerk 08/10/10

Date

NOTE: Use COMMENT section to explain why each Action Code was selected.

FORM 3160-5 (August 2007

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137 Expires: July 31,2010

| | | | | | 5. Lease Serial No. | | | |
|--|---|---------------------------|----------------------|---|------------------------|--|--|--|
| | NOTICES AND REPOR | | | USA UTU-7439 | 91 | | | |
| Do not use the abandoned we | 6. If Indian, Allott | | | | | | | |
| SUBMIT IN | 7. If Unit or CA/Agreement, Name and/or | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | GMBU | | | | | | | |
| l. Type of Well ☑ Oil Well ☐ Gas Well ☐ | Other | | | 0. 337-11.37 | I XI- | | | |
| 2. Name of Operator | ■ Otner | | | Well Name and FEDERAL 4-30- | | | | |
| NEWFIELD PRODUCTION CO | | 9. API Well No. | | | | | | |
| 3a. Address Route 3 Box 3630 | | 3b. Phone (include are | code) | 4301333470 | | | | |
| Myton, UT 84052 | T T D 14 O D : | 435.646.3721 | | | l, or Exploratory Area | | | |
| Location of Well (Footage, S 769 FNL 2034 FWL | Sec., T., R., M., or Survey Descript | tion) | | GREATER MB 11. County or Part | | | | |
| | | | | 11. County of 1 an | isii, state | | | |
| NWNW Section 30 T9S R16E | | Y) TO INIDICATE NA | TIDE OF M | DUCHESNE, U | | | | |
| A TYPE OF SUBMISSION | APPROPRIATE BOX(ES | | OF ACTION | JICE, OR OI | HER DATA | | | |
| WILL OL BODIMBOROM | - | | | | | | | |
| Notice of Intent | Acidize | ☐ Deepen ☐ Fracture Treat | Production Reclamati | (Start/Resume) | Water Shut-Off | | | |
| По го | ☐ Alter Casing☐ Casing Repair | New Construction | Recomple | | Well Integrity Other | | | |
| Subsequent Report | Change Plans | Plug & Abandon | = . | ly Abandon | Spud Notice | | | |
| Final Abandonment | Convert to Injector | Plug Back | Water Dis | • | - Dad Notice | | | |
| | 24/10 cement with 180 sks of 3 bbls cement to pit. WO | | CL2 + 1/4# per | sk Cello Flake | mixed @ 15.8 ppg with | | | |
| Mari | | | | | | | | |
| | | • | | | | | | |
| î, | | | | | | | | |
| 1 | | | | | | | | |
| in the second se | | | | | | | | |
| r | | | | | | | | |
| ł, | | | | | | | | |
| | | | | | | | | |
| • | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| hereby certify that the foregoing is | true and | Title | | | | | | |
| Sorrect (Printed/ Typed) Mitch Benson | | Drilling Forema | ın | | | | | |
| Signature /// / |) | Date | | | | | | |
| 1/4th 1 | euser | 08/24/2010 | | | 1 | | | |
| | THIS SPACE FO | R FEDERAL OR STA | ATE OFFICI | E USE | | | | |
| · | | mi t | | | | | | |
| Approved by Conditions of approval, if any, are attach | ed Approval of this notice does not w | Title | | Date | e | | | |
| ertify that the applicant holds legal or economic would entitle the applicant to cond | quitable title to those rights in the subje | | | | | | | |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

RECEIVED

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

| | | | 8 5/8" | _CASING SET AT | Г | 348.66 | - | | |
|----------------|---|-------------|--|----------------|---------------------------------------|--|-------------|-------------|------------|
| LAST CASING | 14 | SET AT | ·79 | <u>)</u> | OPERATO | R | Newfield | Exploration | Company |
| | | | | <u>.</u> | | | L 4-30-9-10 | | |
| DATUM TO CUT | OFF CASI | NG | 13 | _ | | | Monume | | |
| DATUM TO BRA | DENHEAD | FLANGE | 13 | _ ; | CONTRAC | TOR & RIG | ; # | Ross Rig #2 | <u>2</u> 1 |
| TD DRILLER | 346 | LOGC | GER | · | | | | | |
| HOLE SIZE | 12 1/4" | | | | | | | | |
| r | | | | | | | | | |
| LOG OF CASING | | | | 10.0.0 | · · · · · · · · · · · · · · · · · · · | , | · | | |
| PIECES | OD | | IAKE - DES | CRIPTION | WT/FT | GRD | THREAD | CONDT | LENGTH |
| 1 | | Well Head | | | | | | Α | 0.95 |
| 8 | 8 5/8" | | ing (43.39' s | shoe jt) | 24 | J-55 | STC | Α | 335.81 |
| 11 | ļ | Guide Sho | <u>e</u> | | | | | Α | 0.9 |
| | ļ | | | | | | | | |
| | ļ! | ļ | - | | | | | | |
| | <u> </u> | | | | | | | | |
| | ! | | | | | | | | |
| | <u> </u> | | | | | | | | |
| | · ! | | | | | | | | |
| | <u> </u> | <u> </u> | | | | | | | |
| | ļ | <u> </u> | | | <u> </u> | | | | |
| | | | | | <u> </u> | | <u> </u> | | |
| | | L | T | y - | | | | <u> </u> | |
| CASING INVENT | | | FEET | JTS | TOTAL LEN | | | | 337.66 |
| TOTAL LENGTH | | <u> </u> | 337.66 | - 8 | LESS CUT | | | | 2 |
| LESS NON CSG | | 1 | 1.85 | <u> </u> | - | | UT OFF CS | ;G | 13 |
| PLUS FULL JTS. | | | 0 | | CASING SE | ET DEPTH | | | 348.66 |
| - | TOTAL | | 335.81 | 8 | ۱٦ | | | | |
| TOTAL CSG. DE | `` | RDS) | 335.81 | 8 | } сомра | ŖE | | | |
| | TIMING | | ' | | | | | | |
| BEGIN RUN CSC | <u>3. </u> | Spud | | | GOOD CIR | | | | |
| CSG. IN HOLE | | | 3:00 PM | - | Bbls CMT C | | | | |
| BEGIN CIRC | | | 2:18 AM | † | RECIPROC | ATED PIPI | <u>No</u> | | |
| BEGIN PUMP CN | | | 2:29 AM | | | | | | |
| BEGIN DSPL. CN | <u>MT</u> | | 2:40 AM | 8/24/2010 | BUMPED P | LUG TO _ | 120 | | · |

2:47 AM

8/24/2010

PLUG DOWN

| CEMENT USE |) | | CEMENT COMPANY- | BJ Services |
|-------------|--|--|--|--|
| STAGE | # SX | | CEMENT TYPE & ADDIT | IVES |
| 1 | 180 | Class "G" + 2% CaCl2 + 0.25 | #/sk Cello Flake at 15.8 ppg w | r/ 1.17 yield. |
| | _ | | | |
| | | | | |
| | <u> </u> | | | |
| | | | | |
| | | | | |
| | - | | | |
| | | | | |
| | | | 7574 | |
| | | | | · · · · · · · · · · · · · · · · · · · |
| | <u> </u> | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | - | | | |
| | | | ······································ | |
| | | | | |
| CENTRALIZER | & SCRATO | HER PLACEMENT | | SHOW MAKE & SPACING |
| | | ond, and third for a total | of three. | |
| <u></u> | | | | W. W |

| COMPANY REPRESENTATIVE | Mitch Benson | DATE | 8/24/2010 |
|------------------------|--------------|------|-----------|
| | | | |

STATE OF UTAH

| | DEPARTMENT OF NATURAL R DIVISION OF OIL, GAS AN | | | 5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-74391 |
|---|--|---------------------|--------------------------|---|
| SUNDRY | NOTICES AND REPO | ORTS ON | WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | ill new wells, significantly deepen existing wells b al laterals. Use APPLICATION FOR PERMIT TO | | | 7. UNIT or CA AGREEMENT NAME: GMBU |
| 1. TYPE OF WELL: OIL WELL | _ | o bribb form for su | on proposats. | 8. WELL NAME and NUMBER: FEDERAL 4-30-9-16 |
| 2. NAME OF OPERATOR: | | | | 9. API NUMBER: |
| NEWFIELD PRODUCTION COM | IPANY | | · | 4301333470 |
| 3. ADDRESS OF OPERATOR: | N | 04050 | PHONE NUMBER | 10. FIELD AND POOL, OR WILDCAT: |
| Route 3 Box 3630 4. LOCATION OF WELL: | CITY Myton STATE UT | ZIP 84052 | 435.646.3721 | GREATER MB UNIT |
| FOOTAGES AT SURFACE: 769 FNL 20 | 034 FWL | | | COUNTY: DUCHESNE |
| OTR/OTR. SECTION, TOWNSHIP, RANGE, | MERIDIAN: NWNW, 30, T9S, R16E | | | STATE: UT |
| | PRIATE BOXES TO INDICAT | E NATURE (| OF NOTICE, REF | PORT, OR OTHER DATA |
| TYPE OF SUBMISSION | | TY | PE OF ACTION | |
| I Nomes as a second | ACIDIZE | DEEPEN | | REPERFORATE CURRENT FORMATION |
| NOTICE OF INTENT (Submit in Duplicate) | ALTER CASING | FRACTURE 1 | TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will | CASING REPAIR | NEW CONST | | TEMPORARITLY ABANDON |
| Approximate date work with | CHANGE TO PREVIOUS PLANS | OPERATOR (| | TUBING REPAIR |
| | CHANGE TUBING | PLUG AND A | | = |
| X SUBSPOUENT REPORT | I | = | | VENT OR FLAIR |
| SUBSEQUENT REPORT (Submit Original Form Only) | CHANGE WELL NAME | ☐ PLUG BACK | | WATER DISPOSAL |
| Date of Work Completion: | CHANGE WELL STATUS | | N (START/STOP) | WATER SHUT-OFF |
| 00/04/0010 | COMMINGLE PRODUCING FORMATIONS | RECLAMATI | ION OF WELL SITE | X OTHER: - Weekly Status Report |
| 09/24/2010 | CONVERT WELL TYPE | RECOMPLET | TE - DIFFERENT FORMATION | N |
| | MPLETED OPERATIONS. Clearly show a scompleted on 09-24-10, attached a scompleted on 09 | | | |
| NAME (PLEASE PRINT) Lucy Chavez-N | laupoto | | ritle_ Administrative A | ssistant |
| SIGNATURE CO | Dey for | I | DATE09/27/2010 | A A A A A A A A A A A A A A A A A A A |
| (This space for State use only) | | | | |

RECEIVED
SEP 3 0 2010

Daily Activity Report

Format For Sundry FEDERAL 4-30-9-16 7/1/2010 To 11/30/2010

9/14/2010 Day: 1

Completion

Rigless on 9/14/2010 - Ran CBL & perforated 1st stage. SIWFN w/ 141 BWTR. - NU frac head & Cameron BOP's, RU Hot oiler & test casing, frac head, frac valves & BOP to 4500 psi, RU WLT w/ mast & pack off tool. Run CBL under pressure. WLTD was 5869' w/ TOC @ 92'. RIH w/ 3 1/8" ported guns & perforate LODC sds @ 5186- 91', 5177- 79', 5172- 74' & 5141- 45' w/ (11 gram, .36"EH, 16.82¿ pen. 120°) 3 spf for total of 39 shots. RD WLT & Hot Oiler. SIWFN w/ 141 BWTR.

Daily Cost: \$0

Cumulative Cost: \$12,544

9/20/2010 Day: 2

Completion

Rigless on 9/20/2010 - Frac 1 stage. Shoot second stage. Could not break second stage. covered w/ sand. - MIRU BJ Services. Frac LODC sds as shown in stimulation report. Screened out w/ 13 bbl left in flush. Left approx. 3000# sand in csg. Open well to pit to flow back sand. Flowed well for 1.5 hrs. Recovered 215 bbls. 389 BWTR. - RU PSI wireline. Set CBP & perf A1 sds as shown in perforation report. RU BJ Services. Could not break perfs. RIH w/ dump bailer. Tagged sand @ 4790'. Dumped acid @ 4790'. Attempt to break perfs w/ no success. Open well to pit. Well died in 10 min. RD BJ Services & PSI wireline. SWIFN. 380 BWTR.

Daily Cost: \$0

Cumulative Cost: \$23,504

9/21/2010 Day: 3

Completion

Nabors #823 on 9/21/2010 - RU Cameron BOP w/ pipe rams. RIH w/ tbg. C/O sand. POOH w/ tbg. ND Cameron BOP w/ pipe rams. - MIRU Nabors #823. NU Cameron BOP w/ pipe rams. RIH w/ notched collar & new 2 7/8" tbg. from pipe racks (tallying & drifting). Tag fill @ 4512'. C/O bridge from 4512' to 4545'. Cont. RIH w/ tbg. Tag fill @ 4875'. C/O to 4920'. Circulate well clean. POOH w/ tbq. ND Cameron BOP w/ pipe rams. SWIFN. 350 BWTR.

Daily Cost: \$0

Cumulative Cost: \$29,816

9/22/2010 Day: 4

Completion

Nabors #823 on 9/22/2010 - Frac well. RIH w/ tbg. DU CBP. SWIFN. - MIRU BJ Services. Frac A1 sds as shown in stimulation report. RD BJ Services. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 1 hr & died. Recovered 115 bbls. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & tbg. Tag fill @ 4755'. RU powerswivel & pump. C/O to CBP @ 4950'. DU CBP in 26 min. Cont. RIH w/ tbg. Tag fill @ 5687'. Pull up to 5656'. SWIFN. 897 BWTR.

Daily Cost: \$0

Cumulative Cost: \$125,629

9/23/2010 Day: 5

Completion

Nabors #823 on 9/23/2010 - C/O to PBTD. Swab for cleanup. Round trip tbg. ND BOP. NU wellhead. - Csg. @ 75 psi, tbg. @ 50 psi. Bleed off well. C/O to PBTD @ 5913'. Circulate well clean. Pull up to 5848'. RIH w/ swab. SFL @ surface. Made 14 runs. Recovered 136 bbls water. EFL @ 1500'. RD swab. RIH w/ tbg. Tag fill @ 5902'. C/O to PBTD @ 5913'. Circulate well clean. LD excess tbg. POOH w/ tbg. LD BHA. RIH w/ production tbg. ND BOP. Set TAC @ 5166' w/ 18,000# tension. NU wellhead. X-over for rods. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$131,120

9/24/2010 Day: 6

Completion

Nabors #823 on 9/24/2010 - RIH w/ rods. PWOP @ 3:00 p.m. 144" stroke length, 5 spm. Final Report. 937 BWTR. - Flush tbg. w/ 40 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 4- 1 1/2" weight bars, 202- 7/8" guided rods (8 per), 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 7 bbls water. Stroke test to 800 psi. Good pump action. RD. PWOP @ 3:00 p.m. 144" stroke length, 5 spm. Final Report. 937 BWTR. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$162,801

Pertinent Files: Go to File List

| | STATE OF UTAH | c. | FORM 9 |
|--|--|---|---|
| | DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN | | 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391 |
| | RY NOTICES AND REPORTS | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | sals to drill new wells, significantly deepen ugged wells, or to drill horizontal laterals. Us | | 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 1. TYPE OF WELL Oil Well | | | 8. WELL NAME and NUMBER: FEDERAL 4-30-9-16 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COM | IPANY | | 9. API NUMBER: 43013334700000 |
| 3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 | | IE NUMBER: 382-4443 Ext | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0769 FNL 2034 FWL | | | COUNTY: DUCHESNE |
| QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: NENW Section: 30 | IP, RANGE, MERIDIAN: Township: 09.0S Range: 16.0E Meridian: S | 5 | STATE: UTAH |
| 11. CHE | CK APPROPRIATE BOXES TO INDICAT | E NATURE OF NOTICE, REPORT, | OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| ., | ☐ ACIDIZE | ALTER CASING | CASING REPAIR |
| Approximate date work will start: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| 7/1/2011 | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| SUBSEQUENT REPORT | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| Date of Work Completion: | OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION |
| SPUD REPORT Date of Spud: | ✓ REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | VENT OR FLARE | WATER DISPOSAL |
| ☐ DRILLING REPORT | ☐ WATER SHUTOFF | SI TA STATUS EXTENSION | APD EXTENSION |
| Report Date: | ☐ WILDCAT WELL DETERMINATION | OTHER | OTHER: |
| 42 DECERTIFICAÇÃO O CO | | | <u></u> |
| Newfield Production remaining 3 stages | COMPLETED OPERATIONS. Clearly show all pert Company would like to request is upon first rig job on subject we res for details and contact Paul with any questions. | t the approval to complete vell. Please see attached | Accepted by the |
| | | | y: |
| | | | |
| | | | |
| NAME (PLEASE PRINT) Sam Styles | PHONE NUMBER 303 893-0102 | TITLE Engineering Tech | |
| SIGNATURE N/A | | DATE 10/25/2010 | |



1001 17th Street, Suite 2000 Denver, CO 80202 Phone: 303-893-0102

Well Name: 4-30-9-16 Federal TO BE DONE UPON FIRST RIG JOB.

Location: Section 30, T9S, R16E Date: 10/7/2010

| Stage | Zone | Тор | Bottom | Gun Size | Comments | Volume | Plug Depth |
|-------------|-------|--------|--------------------|----------------|-----------------------|-------------|-----------------|
| | | | | Stage 1 and St | age 2 have already b | peen | |
| Stage #1 | LODC | 5,186' | 5,191 _f | | success in offsetti | | |
| | LODC | 5,177' | 5,1/9 ⁻ | | the additional 3 stag | | |
| | LODC | 5,172' | 5,174 | | If within 3months of | | |
| | LODC | 5,141' | | | to original D&C AFE | | |
| | | | | | nd He will get an AF | | |
| Stage #2 | A1 | 4,880' | | | the appropriate Mas | | 4,840' |
| | | | | Quarterly AFE | | lCi | Solid Frac PLUG |
| | | | 1 | • | I Frac plug needed b | olow stage | NEEDED |
| | | | | | his time around) | below stage | |
| | | | | | | | |
| Stage #3 | Ahalf | 4,778' | 4,786' | 8' | 40bpm | 60,000 | 4,730' |
| | B2 | 4,749' | 4,752' | 3' | 8ppg | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stage #4 | Bhalf | 4,680' | 4,695' | 15' | 40bpm | 75,000 | 4,660' |
| | | | | | 8ppg | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Stage #5 | С | 4,633' | 4,636' | 3' | 40bpm | 35,000 | |
| | D3 | 4,587' | 4,590' | 3' | 8ppg | | |
| | D3 | 4,555' | 4,559' | 4' | | | |
| | D3 | | | | | | |
| | | | | | | | |
| | | | | | Total 100m = | 0 | |
| | | | | | Total 30/50 = | 0 | |
| | | | | | Total 20/40 = | 170,000 | |
| Pump Trucks | 2 | | | | Total Sand = | 170,000 | |

Newfield Production Company

4-30-9-16 Federal

Completion Procedure 10/7/2010

Tubular Data:

Casing: 5-1/2", 15.5#, J-55, LTC ID: 4.95" Drift: 4.825" Burst: 4810 psi
Tubing: 2-7/8", 6.4#, J-55, EUE ID: 2.441" Tensile: 99,660 lbs. Burst: 7,260 psi

Volumes:

Casing: 0.0238 bbl/ft Tubing: 0.00579 bbl/ft Csg/Tbg Annulus: 0.0158 bbl/ft

Procedure:

- 1 NU 5000# csg head, NU 5000# BOP.
- 2 Test BOP & csg to 4500 psi w/ HO truck.

```
Stage 1 amd 2 have already been frac'ed. Start with Stage 3, which needs a solid frac plug below it.

Stage 1 amd 2 have already been frac'ed. Start with Stage 3, which needs a solid frac plug below it.
```

- 11 RU WL, RIH set composite plug @ 4,840'
- 12 WL perf w/ 3 spf: Ahalf 4,778' 4,786' and B2 4,749' 4,752'
- 13 NU Frac head.
- 14 RU frac company, frac Stage #3 with BJ Proposal
- 15 RU WL, RIH set composite plug @ 4,730'
- 16 WL perf w/ 3 spf: Bhalf 4,680' 4,695'
- 17 NU Frac head.
- 18 RU frac company, frac Stage #4 with BJ Proposal
- 19 RU WL, RIH set composite plug @ 4,660'
- $20 \quad \text{WL perf w/ 3 spf:} \qquad \text{C} \qquad 4,633' \quad \quad 4,636' \quad \text{and} \quad \text{D3} \qquad 4,587' \quad \quad 4,590' \quad \text{and} \quad \text{D3} \qquad 4,555' \quad \quad 4,559' \quad \quad 4,590' \quad \quad 4,590' \quad \quad 4,590'$
- 21 NU Frac head.
- 22 RU frac company, frac Stage #5 with BJ Proposal
- 23 Flow all zones back immediately @ 3 BPM until dead.
- 24 MIRUSU.
- 25 PU TBG & TIH w/ 4-3/4" bit, drill out composite plugs @ 4,660', 4,730', 4,840', 0
- 26 TIH w/ bit to PBTD
- 27 Swab fluid back.
- 28 TIH w/ bit to PBTD (clean out any accumulated sand).
- $29 \quad TOH / LD bit.$
- 30 TIH w/ production tbg.
- 31 ND BOP, set TA, NU tbg head.
- 32 PU & TIH w/ rod string.
- 33 Test pump to 800 psi.
- 34 RU unit.
- 35 RDSUMOL.

Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

5. Lease Serial No.

| | | | | | ,,,,- | | | | | | | | | UT | U-74 | 391 | | |
|----------------------------|----------------------------|----------------|--------------|-------------|-----------------------|---------------------------|------------|--------------------|------------------|-----------|---|--------------------|----------|------------|----------------|-------------------------------------|----------------------|---------------------------------------|
| la. Type of b. Type of | Well Completio | | il Wel | | Gas Well Work Over | Dry Deepen | | Other Plug Back | ☐ Dif | f Resyr | _ | | | 6. I | f Indi | an, Allottee o | r Trib | e Name |
| | • | | ther: _ | | | | | | | | , | | | | Jnit o | r CA Agreem | ent Na | ame and No. |
| 2. Name of NEWFIEL | Operator D FXPI C | RATIO | N COI | MPANY | , | | | | | | | | | | | Name and We | | • |
| 3. Address | | | | | | | | 38 | a. Phone | No. (incl | lude ar | ea code | 2) | | | AL 4-30-9-1 /ell No. | ь | |
| 4 Location | 1401 17TH | | | | | dance with Fea | , , | (4 | 435)646 | -3721 | | | | 43- | 013- | 33470 | | |
| | | | | | | | | _ | ť | 342 | De | Wir | we | ¹ GR | EAT | and Pool or I ER MB UNI | T | |
| At surfac | [∞] 769' FN | NL & 20: | 34' FV | VL (NE | NW) SEC | . 30, T9S, R [.] | 16E | (UTU-74 | 391) | , | by | HS | \sim | 11. | Sec., Surve | T., R., M., on ey or Area SE | | k and T9S, R16E |
| At top pro | od. interval | reported | below | 677' F | NL & 832' | FWL (NW/N | w) : | SEC. 30, | T9S, R1 | 6E (U1 | TU-74 | 391) | | 12. | Coun | ty or Parish | | 13. State |
| At total d | - F | FNL & | 515' F | WL (N) | N/NW) SE | C. 30, T9S, | R16 | E (UTU-7 | 74391) | | | | | יטם | CHE | SNE | | UT |
| 14. Date Sp 08/15/201 | | | | 5. Date 1 | T.D. Reache | xd | | | Date Comp | | | | | | | tions (DF, R | KB, R | T, GL)* |
| 18. Total D | epth: MI | | 5' | J3/00/2 | | ug Back T.D.: | M | D 5869' | | | | o Prod. epth Br | idge Plu | | MD | L 6080' KB | | |
| 21. Type E | | D 5731 | | oge Dun | (Submit as | my of soah) | Τ\ | /D 50 | 137 | | | | l cored? | Z N | TVD | Yes (Subn | -i+ | 1. min |
| DUAL INC | GRD, SI | P, COM | P. DE | NSITY, | COMP. N | EUTRON,GF | R,CA | ALIPER, C | CMT BO | | V | Vas DS | | ∠ N | lo [| Yes (Subn Yes (Subn Yes (Subn | nit rep | ort) |
| 23. Casing | 1 | | | | | | | Stage Co | ementer | No | of Sks | Se I | Slum | y Vol. | $\overline{}$ | | T | |
| Hole Size | Size/Gi | | Vt. (#/f | | Top (MD) | Bottom (M | (D) | Dej | | Type | of Cer | nent | | BL) | С | ement Top* | <u> </u> | Amount Pulled |
| 12-1/4" 7-7/8" | 8-5/8" J 5-1/2" J | | 4# 5.5# | 0 | | 349' 5958' | | | | 180 C | - | | | | 001 | | - | |
| 1-110 | 3-1/2 3 | -33 1 | J.J# | - | | 3936 | | 1 | | 250 PI | | | | | 92' | | ┼ | |
| | | | | - | | <u> </u> | | | | 100 00 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 02 | | | | | + | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| 24. Tubing Size | | Set (MD) | Pa | cker Der | oth (MD) | Size | | Depth Se | + (MD) | Packer I | Denth (| MD) | Siz | 70 | D. | anth Cat (MD) | | Booken Double (MD) |
| 2-7/8" | | 2) 5266' | | @ 5167 | | SIZ. | | Deptii Se | t (IVID) | I acker i | Depui (| WID) | 31 | ze | D | epth Set (MD) | | Packer Depth (MD) |
| 25. Produci | _× | | | | | | | | foration I | | | | | | | | | |
| A) Green I | Formatio River | n | | | Гор | Bottom | | Pert 5141-519 | orated Int | | | .36" | ize | No. I | loles | 39 | Pe | rf. Status |
| B) Green | | | | | | | | 4880-489 | | | | .34" | | 3 | | 42 | | |
| C) Green I | | | | | | A 90. 0 | _ | 1,4000-40 | 04 A1 | | | | | 1 | | 42 | | · · · · · · · · · · · · · · · · · · · |
| D) Green I | | | | | | | | | | | | | | | | | | |
| 27. Acid, Fr | acture, Tre Depth Inter | | ement | Squeeze | , etc. | | | | | | 1.00 | 22.4 | | | | | | |
| 5141-5191 | | vai | | Frac w | / 46141#'s | 20/40 sand | in 2 | 92 hbls of | | mount a | | oe of M | aterial | | | | | |
| 4880-4894 | ļ' | | | | | 20/40 sand | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| | | | | | | | | | | <u> </u> | | | | | | | | |
| | | | | | | | | 46 | | | | | | | | | | |
| 28. Producti Date First | | Al A Hours | Test | • | Oil | Gas | Wa | ter | Oil Grav | ity. | Gas | | Prod | luction M | othod | | | |
| Produced | 200 200 | Tested | | luction | BBL | MCF | ВВ | | Corr. AP | | | vity | | | | : : 20' x 24' R | HAC | Pump |
| 9-24-10 | 10-5-10 | 24 | - | → | 30 | 0 | 97 | | | | | | | | | | | • |
| | Tbg. Press. | | 24 I | | Oil BBL | Gas | Wa | | Gas/Oil | | | Il Status | | | | | | - 1077-514 |
| 1 | Flwg. SI | Press. | Rate | ; | BBL | MCF | BB | L | Ratio | | IPR | RODUG | CING | | | | | |
| 20 D | | L | | | <u> </u> | l | | | | | | | | | | 1877.44 | | |
| 28a. Product Date First | | Hours | Test | | Oil | Gas | Wa | ter | Oil Gravi | tv | Gas | | Prod | uction Me | ethod | | | |
| Produced | | Tested | Prod | luction | BBL | MCF | BBI | | Corr. AP | | Gra | | 1100 | | cuiou | | | |
| | Tbg. Press. Flwg. | Csg. Press. | 24 H Rate | | Oil BBL | Gas MCF | Wat BBI | | Gas/Oil | | Wel | l Status | <u></u> | | | Pi | 12:50 March 10:00 | EIVED 2 2010 |
| | SI | . 1033. | | | DUL | uviCi. | DBI | L | Ratio | | | | | | | · i Binani | - | and the same |
| l. | | | | | a on page 2) | | <u> </u> | | | | | | | | | OC7 | | 2 2010 |

| 78h Prod | uction - Inte | amini C | | | | | *** | | | |
|------------------------|----------------------------|------------------|--------------------|-------------|----------------|-----------------|--------------------------------------|-------------------------|----------------------------------|-------------------------------|
| | Test Date | Hours | Test | Oil | Gas | Water | Oil Gravity | Gas | Production Method | |
| Produced | | Tested | Production | BBL | MCF | BBL | Corr. API | Gravity | roduction Monrod | |
| Choke Size | Tbg. Press. Flwg. SI | . Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | • | |
| | uction - Inte | | | | | | | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status | | |
| 29. Dispos | sition of Gas | s (Solid, u | sed for fuel, ve | nted, etc.) | | | | | | |
| USED FOR | FUEL | | | | | | | | | |
| 30. Sumn | nary of Poro | us Zones | (Include Aqui | fers): | | | | 31. Format | ion (Log) Markers | |
| | ng depth int | | porosity and co | | | | l drill-stem tests, pressures and | GEOLOG | IICAL MARKERS | |
| | * . * | | | | | | | | | Тор |
| Form | nation | Top | Bottom | | Desc | riptions, Conte | ents, etc. | | Name | Meas. Depth |
| | | | | | | | | GARDEN GI GARDEN GI | | 3438' 3650' |
| | | | | | | | | GARDEN GU POINT 3 | JLCH 2 | 3763' 4012' |
| | | | | | | | | X MRKR Y MRKR | | 4293' 4326' |
| | | | | | | | | DOUGALS O | | 4441' 4669' |
| | | | | | | | | B LIMESTON CASTLE PE | | 4766' 5369' |
| | | | | | | | | BASAL CAR | BONATE | 5832' |
| | | | | | | | | | | |
| 32. Additi | onal remark | s (include | plugging proc | edure): | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 33. Indicat | e which iter | ns have be | en attached by | placing a | check in the | appropriate box | kes: | | | |
| ☐ Elect | trical/Mechai | nical Logs | (1 full set req'd | L) | | Geologic Report | DST | Report | ✓ Directional Survey | |
| Sund | ry Notice for | r plugging | and cement ver | ification | | Core Analysis | ✓ Othe | T Drilling Daily | Activity | |
| | | | | | mation is comp | olete and corre | | | ecords (see attached instruction | 18)* |
| Na | me (please , | print) Lu | cy Chavez-N | laupoto | | | | strative Assistan | t | <u></u> |
| Sig | gnature | Hu | م رج |)-y- | Kjir | <u> </u> | Date 10/06/2 | 010 | | approximate to the |
| Title 18 U.S | S.C. Section | 1001 and | Title 43 U.S.C | C. Section | 1212. make it | a crime for an | v nerson knowing | ly and willfully to | make to any department or age | ency of the United States any |

false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



NEWFIELD EXPLORATION

USGS Myton SW (UT) SECTION 30 T9S, R16E 4-30-9-16

Wellbore #1

Design: ACTUAL

Standard Survey Report

05 October, 2010





PayZone Directional Services, LLC.

Survey Report



Company:

NEWFIELD EXPLORATION

Project: Site:

USGS Myton SW (UT)

Well:

4-30-9-16

Wellbore: Design:

Wellbore #1

SECTION 30 T9S, R16E

ACTUAL

Local Co-ordinate Reference:

TVD Reference:

Well 4-30-9-16

4-30-9-16 @ 6080.0ft (RIG 328) 4-30-9-16 @ 6080.0ft (RIG 328)

MD Reference: North Reference:

System Datum:

Database:

Survey Calculation Method:

True

Minimum Curvature

Mean Sea Level

EDM 2003.21 Single User Db

Project

USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System: Geo Datum: Map Zone:

US State Plane 1983

North American Datum 1983

Utah Central Zone

SECTION 30 T9S, R16E

Site Position:

Northing:

7,172,080.87ft

Latitude:

40° 0' 5.535 N

From: **Position Uncertainty:**

Map

Easting: Slot Radius: 2,014,800.00ft

Longitude: **Grid Convergence:** 110° 9' 48.547 W

0.86°

Well

Site

4-30-9-16, SHL LAT: 40 00 25.32, LONG: -110 09 49.95

Well Position

+N/-S

0.0 ft

0.0 ft

Northing:

7,174,080.87 ft 2,014,660.96 ft

11.45

Latitude:

40° 0' 25.320 N

Position Uncertainty

+E/-W 0.0 ft 0.0 ft

IGRF2010

Easting: Wellhead Elevation:

6,080.0 ft

Longitude: **Ground Level:** 110° 9' 49.950 W 6,068.0 ft

Wellbore #1

Magnetics

Wellbore

Model Name

Sample Date

2010/08/24

Declination (°)

Dip Angle (°)

Field Strength

(nT) 52,311

Design

ACTUAL

Audit Notes:

Version:

1.0

Phase:

ACTUAL

Tie On Depth:

0.0

65.76

Vertical Section:

Depth From (TVD) (ft)

0.0

+N/-S (ft) 0.0

+E/-W (ft) 0.0

Direction (°) 274.77

Survey Program

Date 2010/10/05

5,965.0 Survey #1 (Wellbore #1)

From (ft)

354.0

To

(ft)

Survey (Wellbore)

Tool Name MWD

Description MWD - Standard

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 354.0 | 0.70 | 133.50 | 354.0 | -1.5 | 1.6 | -1.7 | 0.20 | 0.20 | 0.00 |
| 381.0 | 0.70 | 135.50 | 381.0 | -1.7 | 1.8 | -1.9 | 0.09 | 0.00 | 7.41 |
| 411.0 | 0.60 | 143.20 | 411.0 | -2.0 | 2.0 | -2.2 | 0.44 | -0.33 | 25.67 |
| 442.0 | 0.40 | 176.50 | 442.0 | -2.2 | 2.1 | -2.3 | 1.11 | -0.65 | 107.42 |
| 473.0 | 0.40 | 238.30 | 473.0 | -2.4 | 2.0 | -2.2 | 1.33 | 0.00 | 199.36 |
| 504.0 | 0.80 | 280.40 | 504.0 | -2.4 | 1.7 | -1.9 | 1.84 | 1.29 | 135.81 |
| 534.0 | 1.50 | 295.60 | 534.0 | -2.2 | 1.2 | -1.4 | 2.53 | 2.33 | 50.67 |
| 565.0 | 2.20 | 296.50 | 565.0 | -1.7 | 0.3 | -0.4 | 2.26 | 2.26 | 2.90 |
| 596.0 | 2.60 | 291.40 | 595.9 | -1.2 | -0.9 | 0.8 | 1.46 | 1.29 | -16.45 |
| 626.0 | 3.20 | 290.40 | 625.9 | -0.7 | -2.3 | 2.3 | 2.01 | 2.00 | -3.33 |
| 657.0 | 3.50 | 285.80 | 656.8 | -0.1 | -4.0 | 4.0 | 1.30 | 0.97 | -14.84 |
| 688.0 | 4.00 | 286.90 | 687.8 | 0.4 | -6.0 | 6.0 | 1.63 | 1.61 | 3.55 |



PayZone Directional Services, LLC.

Survey Report



Company:

NEWFIELD EXPLORATION

Project:

USGS Myton SW (UT) SECTION 30 T9S, R16E

Site: Well:

4-30-9-16

Wellbore: Design: Wellbore #1 ACTUAL Local Co-ordinate Reference:

Well 4-30-9-16

TVD Reference: MD Reference:

4-30-9-16 @ 6080.0ft (RIG 328) 4-30-9-16 @ 6080.0ft (RIG 328)

North Reference:

True

Survey Calculation Method:

Minimum Curvature

Database:

EDM 2003.21 Single User Db

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------------|--------------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| 718.0 | 4.70 | 286.10 | 717.7 | 1.1 | -8.2 | 8.2 | 2.34 | 2.33 | -2.67 |
| 749.0 | 5.40 | 285.30 | 748.6 | 1.8 | -10.8 | 10.9 | 2.27 | 2.26 | -2.58 |
| 779.0 | 5.90 | 283.20 | 778.4 | 2.6 | -13.7 | 13.8 | 1.80 | 1.67 | -7.00 |
| 825.0 | 6.90 | 283.50 | 824.1 | 3.7 | -18.7 | 18.9 | 2.18 | 2.17 | 0.65 |
| 870.0 | 7.40 | 283.80 | 868.8 | 5.1 | -24.1 | 24.4 | 1.11 | 1.11 | 0.67 |
| 915.0 | 7.80 | 283.60 | 913.4 | 6.5 | -29.9 | 30.3 | 0.89 | 0.89 | -0.44 |
| 961.0 | 8.10 | 281.80 | 958.9 | 7.9 | -36.1 | 36.6 | 0.85 | 0.65 | -3.91 |
| 1,051.0 | 8.90 | 280.40 | 1,048.0 | 10.4 | -49.1 | 49.8 | 0.92 | 0.89 | -1.56 |
| 1,096.0 | 9.70 | 278.40 | 1,092.4 | 11.6 | -56.3 | 57.1 | 1.92 | 1.78 | -4.44 |
| 1,142.0 | 10.50 | 277.40 | 1,137.7 | 12.7 | -64.3 | 65.1 | 1.78 | 1.74 | -2.17 |
| 1,187.0 | 11.30 | 276.60 | 1,181.8 | 13.7 | -72.7 | 73.6 | 1.81 | 1.78 | -1.78 |
| 1,232.0 | 11.80 | 274.40 | 1,225.9 | 14.6 | -81.7 | 82.6 | 1.48 | 1.11 | -4.89 |
| 1,278.0 | 12.60 | 273.70 | 1,270.9 | 15.3 | -91.4 | 92.4 | 1.77 | 1.74 | -1.52 |
| 1,323.0 | 13.10 | 273.80 | 1,314.8 | 15.9 | -101.4 | 102.4 | 1.11 | 1.11 | 0.22 |
| 1,368.0 | 13.80 | 273.10 | 1,358.5 | 16.6 | -111.8 | 112.8 | 1.60 | 1.56 | -1.56 |
| 1,414.0 | 14.20 | 271.50 | 1,403.2 | 17.0 | -123.0 | 124.0 | 1.21 | 0.87 | -3.48 |
| 1,459.0 | 14.50 | 269.70 | 1,446.8 | 17.1 | -134.1 | 135.1 | 1.19 | 0.67 | -4.00 |
| 1,504.0 | 15.10 | 269.50 | 1,490.3 | 17.0 | -145.6 | 146.5 | 1.34 | 1.33 | -0.44 |
| 1,550.0 | 15.70 | 269.50 | 1,534.6 | 16.9 | -157.8 | 158.7 | 1.30 | 1.30 | 0.00 |
| 1,595.0 | 15.90 | 267.80 | 1,577.9 | 16.7 | -170.1 | 170.9 | 1.12 | 0.44 | -3.78 |
| 1,640.0 | 16.00 | 267.20 | 1,621.2 | 16.1 | -182.4 | 183.1 | 0.43 | 0.22 | -1.33 |
| 1,686.0 | 16.50 | 267.40 | 1,665.3 | 15.5 | -195.3 | 195.9 | 1.09 | 1.09 | 0.43 |
| 1,731.0 | 17.10 | 268.00 | 1,708.4 | 15.0 | -208.3 | 208.8 | 1.39 | 1.33 | 1.33 |
| 1,776.0 | 17.10 | 267.10 | 1,751.4 | 14.4 | -221.5 | 221.9 | 0.59 | 0.00 | -2.00 |
| 1,821.0 | 17.60 | 268.60 | 1,794.4 | 13.9 | -234.9 | 235.3 | 1.49 | 1.11 | 3.33 |
| 1,867.0 | 18.30 | 269.00 | 1,838.1 | 13.6 | -249.1 | 249.4 | 1.55 | 1.52 | 0.87 |
| 1,912.0 | 18.50 | 269.00 | 1,880.8 | 13.4 | -263.3 | 263.5 | 0.44 | 0.44 | 0.00 |
| 1,957.0 | 18.80 | 270.00 | 1,923.5 | 13.2 | -277.7 | 277.8 | 0.97 | 0.67 | 2.22 |
| 2,003.0 | 18.70 | 271.00 | 1,967.0 | 13.4 | -292.5 | 292.6 | 0.73 | -0.22 | 2.17 |
| 2,048.0 | 18.80 | 270.90 | 2,009.7 | 13.6 | -306.9 | 307.0 | 0.23 | 0.22 | -0.22 |
| 2,093.0 | 18.80 | 271.10 | 2,052.3 | 13.9 | -321.4 | 321.5 | 0.14 | 0.00 | 0.44 |
| 2,139.0 | 18.90 | 272.00 | 2,095.8 | 14.3 | -336.3 | 336.3 | 0.67 | 0.22 | 1.96 |
| 2,184.0 | 18.70 | 272.90 | 2,138.4 | 14.9 | -350.8 | 350.8 | 0.78 | -0.44 | 2.00 |
| 2,229.0 | 18.20 | 272.10 | 2,181.1 | 15.5 | -365.0 | 365.0 | 1.25 | -1.11 | -1.78 |
| 2,275.0 | 17.80 | 271.40 | 2,224.8 | 16.0 | -379.2 | 379.2 | 0.99 | -0.87 | -1.52 |
| 2,320.0 | 17.50 | 271.90 | 2,267.7 | 16.3 | -392.8 | 392.8 | 0.75 | -0.67 | 1.11 |
| 2,365.0 | 17.40 | 273.10 | 2,310.6 | 16.9 | -406.3 | 406.3 | 0.83 | -0.22 | 2.67 |
| 2,411.0 | 17.40 | 274.50 | 2,354.5 | 17.8 | -420.0 | 420.1 | 0.91 | 0.00 | 3.04 |
| 2,456.0 | 17.80 | 274.60 | 2,397.4 | 18.9 | -433.6 | 433.7 | 0.89 | 0.89 | 0.22 |
| 2,501.0 | 18.80 | 275.60 | 2,440.1 | 20.2 | -447.7 | 447.8 | 2.33 | 2.22 | 2.22 |
| 2,547.0 | 19.60 | 277.20 | 2,483.6 | 21.9 | -462.7 | 462.9 | 2.08 | 1.74 | 3.48 |
| 2,592.0 | 19.90 | 276.40 | 2,525.9 | 23.7 | -477.8 | 478.1 | 0.90 | 0.67 | -1.78 |
| 2,637.0 | 19.60 | 276.00 | 2,568.3 | 25.3 | -492.9 | 493.3 | 0.73 | -0.67 | -0.89 |
| 2,683.0 | 18.90 | 274.20 | 2,611.7 | 26.7 | -508.0 | 508.5 | 1.99 | -1.52 | -3.91 |
| 2,728.0 | 19.20 | 274.60 | 2,654.3 | 27.8 | -522.7 | 523.2 | 0.73 | 0.67 | 0.89 |
| 2,773.0 | 19.50 | 273.80 | 2,696.7 | 28.9 | -537.5 | 538.1 | 0.89 | 0.67 | -1.78 |
| 2,819.0 | 18.50 | 271.00 | 2,740.2 | 29.5 | -552.5 | 553.0 | 2.94 | -2.17 | -6.09 |
| 2,864.0 | 18.40 | 270.90 | 2,782.9 | 29.8 | -566.7 | 567.3 | 0.23 | -0.22 | -0.22 |
| 2,909.0 | 19.10 | 272.50 | 2,825.5 | 30.2 | -581.2 | 581.7 | 1.93 | 1.56 | 3.56 |
| 2,955.0 | 19.50 | 272.50 | 2,868.9 | 30.9 | -596.4 | 596.9 | 0.87 | 0.87 | 0.00 |
| 3,000.0 | 19.90 | 272.60 | 2,911.3 | 31.5 | -611.5 | 612.0 | 0.89 | 0.89 | 0.22 |
| 3,045.0 | 20.70 | 274.00 | 2,953.5 | 32.4 | -627.1 | 627.7 | 2.08 | 1.78 | 3.11 |
| 3,091.0 | 21.10 | 274.90 | 2,996.5 | 33.7 | -643.5 | 644.1 | 1.12 | 0.87 | 1.96 |
| 3,136.0 | 21.40 | 275.40 | 3,038.4 | 35.2 | -659.7 | 660.4 | 0.78 | 0.67 | 1.11 |

NEWFIELD

PayZone Directional Services, LLC.

Survey Report



Company:

NEWFIELD EXPLORATION

Project:

USGS Myton SW (UT) SECTION 30 T9S, R16E

Site: Well:

4-30-9-16

Wellbore: Design:

Wellbore #1 ACTUAL

Local Co-ordinate Reference:

Well 4-30-9-16

4-30-9-16 @ 6080.0ft (RIG 328) 4-30-9-16 @ 6080.0ft (RIG 328)

TVD Reference: MD Reference: North Reference:

True

Survey Calculation Method: Minimum Curvature

Database:

EDM 2003.21 Single User Db

Survey

| | Measured Depth (ft) | Inclination | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|------|---------------------------|----------------|------------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| | 3,181.0 | 21.60 | 276.40 | 3,080.3 | 36.9 | -676.1 | 676.9 | 0.93 | 0.44 | 2.22 |
| | | 21.40 | 276.40 | 3,122.1 | 38.7 | -692.5 | 693.3 | 0.47 | -0.44 | -0.44 |
| | 3,226.0 | | | | | | | 0.47 | 0.00 | -0.43 |
| | 3,272.0 | 21.40 | 276.00 | 3,165.0 | 40.5 | -709.2 | 710.1 | 0.10 | 0.00 | -0.43 |
| ļ . | 3,317.0 | 21.10 | 275.90 | 3,206.9 | 42.1 | -725.4 | 726.4 | 0.67 | -0.67 | -0.22 |
| 1 . | 3,362.0 | 20.70 | 276.90 | 3,249.0 | 43.9 | -741.4 | 742.5 | 1.19 | -0.89 | 2.22 |
| | 3,408.0 | 20.20 | 276.40 | 3,292.1 | 45.8 | -757.4 | 758.5 | 1.15 | -1.09 | -1.09 |
| | 3,453.0 | 19.60 | 275.50 | 3,334.4 | 47.4 | -772.6 | 773.9 | 1.50 | -1.33 | -2.00 |
| 1 | 3,498.0 | 18.90 | 275.60 | 3,376.9 | 48.8 | -787.4 | 788.7 | 1.56 | -1.56 | 0.22 |
| | | | | | | | | | | |
| | 3,543.0 | 18.60 | 275.80 | 3,419.5 | 50.3 | -801.8 | 803.2 | 0.68 | -0.67 | 0.44 |
| | 3,589.0 | 18.40 | 276.30 | 3,463.1 | 51.8 | -816.3 | 817.7 | 0.55 | -0.43 | 1.09 |
| 1 | 3,634.0 | 18.10 | 276.80 | 3,505.8 | 53.4 | -830.3 | 831.8 | 0.75 | -0.67 | 1.11 |
| j . | 3,679.0 | 18.00 | 277.10 | 3,548.6 | 55.1 | -844.1 | 845.8 | 0.30 | -0.22 | 0.67 |
| | 3,725.0 | 18.10 | 276.70 | 3,592.3 | 56.8 | -858.3 | 860.0 | 0.35 | 0.22 | -0.87 |
| | 3,770.0 | 18.10 | 276.30 | 3,635.1 | 58.4 | -872.1 | 874.0 | 0.28 | 0.00 | -0.89 |
| | 3,815.0 | 17.90 | 275.60 | 3,677.9 | 59.8 | -886.0 | 887.9 | 0.65 | -0.44 | -1.56 |
| | 3,861.0 | 17.70 | 276.30 | 3,721.7 | 61.3 | -900.0 | 901.9 | 0.64 | -0.43 | 1.52 |
| | 3,906.0 | 17.40 | 276.30 | 3,764.6 | 62.8 | -913.5 | 915.5 | 0.67 | -0.67 | 0.00 |
| | 3,951.0 | 17.40 | 276.30 | 3,807.6 | 64.3 | -926.8 | 929.0 | 0.00 | 0.00 | 0.00 |
| | 3,997.0 | 17.50 | 277.50 | 3,851.4 | 65.9 | -940.5 | 942.7 | 0.81 | 0.22 | 2.61 |
| | 4,042.0 | 17.10 | 278.00 | 3,894.4 | 67.7 | -953.8 | 956.1 | 0.95 | -0.89 | 1.11 |
| | 4,042.0 | 16.30 | 276.00 | 3,937.5 | 69.3 | -966.6 | 969.0 | 2.19 | -1.78 | -4.44 |
| | 4,133.0 | 16.40 | 276.40 | 3,981.6 | 70.7 | -979.5 | 982.0 | 0.33 | 0.22 | 0.87 |
| 1 | | 16.20 | 275.90 | 4,024.8 | 72.0 | -992.0 | 994.6 | 0.54 | -0.44 | -1.11 |
| | 4,178.0 | | | | | | | | | |
| | 4,221.0 | 16.70 | 277.20 | 4,066.1 | 73.4 | -1,004.1 | 1,006.8 | 1.44 | 1.16 | 3.02 |
| | 4,266.0 | 17.30 | 277.00 | 4,109.1 | 75.1 | -1,017.2 | 1,019.9 | 1.34 | 1.33 | -0.44 |
| | 4,312.0 | 16.90 | 276.10 | 4,153.1 | 76.6 | -1,030.6 | 1,033.4 | 1.04 | -0.87 | -1.96 |
| | 4,357.0 | 16.90 | 276.40 | 4,196.1 | 78.0 | -1,043.6 | 1,046.5 | 0.19 | 0.00 | 0.67 |
| | 4,402.0 | 16.80 | 275.30 | 4,239.2 | 79.4 | -1,056.6 | 1,059.6 | 0.74 | -0.22 | -2.44 |
| | 4,447.0 | 16.60 | 275.10 | 4,282.3 | 80.5 | -1,069.5 | 1,072.5 | 0.46 | -0.44 | -0.44 |
| | 4,493.0 | 16.60 | 274.30 | 4,326.4 | 81.6 | -1,082.6 | 1,085.6 | 0.50 | 0.00 | -1.74 |
| 1 | 4,538.0 | 16.70 | 274.20 | 4,369.5 | 82.6 | -1,095.4 | 1,098.5 | 0.23 | 0.22 | -0.22 |
| 4 | 4,584.0 | 17.00 | 274.50 | 4,413.5 | 83.6 | -1,108.7 | 1,111.8 | 0.68 | 0.65 | 0.65 |
| | 4,629.0 | 17.20 | 274.50 | 4,456.5 | 84.6 | -1,121.9 | 1,125.1 | 0.44 | 0.44 | 0.00 |
| | 4,673.0 | | 273.90 | 4,498.6 | 85.6 | -1,134.7 | 1,137.9 | 1.20 | -1.14 | -1.36 |
| | | 16.70 17.40 | 275.70 275.70 | 4,496.6 4,542.6 | 86.7 | -1,134.7 | 1,151.4 | 1.20 | 1.52 | 3.91 |
| | 4,719.0 | | 275.70 | | 88.0 | -1,140.2 | 1,164.8 | 0.13 | 0.00 | -0.44 |
| | 4,764.0 | 17.40 | | 4,585.5 4,629.4 | 89.3 | -1,175.3 | 1,178.7 | 0.13 | 0.43 | -1.09 |
| | 4,810.0 4,855.0 | 17.60 17.30 | 275.00 275.00 | 4,672.3 | 90.4 | -1,173.3 | 1,170.7 | 0.67 | -0.67 | 0.00 |
| | | | | | | | | | | |
| .] | 4,900.0 | 17.80 | 275.70 | 4,715.3 | | > -1,202.3 | 1,205.7 | 1.21 | 1.11 | 1.56 |
| ! | 4,946.0 | 17.40 | 275.80 | 4,759.1 | 93.1 | -1,216.1 | 1,219.7 | 0.87 | -0.87 | 0.22 |
| | 4,991.0 | 17.00 | 275.90 | 4,802.1 | 94.5 | -1,229.4 | 1,233.0 | 0.89 | -0.89 | 0.22 |
| | 5,036.0 | 16.80 | 276.80 | 4,845.1 | 95.9 | -1,242.4 | 1,246.0 | 0.73 | -0.44 | 2.00 |
| ŀ | 5,082.0 | 17.10 | 273.10 | 4,889.1 | 97.1 | -1,255.7 | 1,259.4 | 2.43 | 0.65 | -8.04 |
| | 5,127.0 | 16.70 | 270.00 | 4,932.2 | 97.4 | -1,268.8 | 1,272.5 | 2.19 | -0.89 | -6.89 |
| | 5,172.0 | 17.10 | 272.00 | 4,975.3 | 97.6 | -1,281.9 | 1,285.5 | 1.57 | 0.89 | 4.44 |
| | 5,217.0 | 17.40 | 273.70 | 5,018.2 | 98.3 | -1,295.2 | 1,298.9 | 1.30 | 0.67 | 3.78 |
| | 5,262.0 | 17.20 | 274.80 | 5.061.2 | 99.3 | -1,308.5 | 1,312.3 | 0.85 | -0.44 | 2.44 |
| 1 | 5,308.0 | 16.50 | 274.90 | 5,105.2 | 100.4 | -1,321.8 | 1,325.6 | 1.52 | -1.52 | 0.22 |
| 1 | 5,354.0 | 16.30 | 275.30 | 5,149.4 | 101.6 | -1.334.8 | 1,338.6 | 0.50 | -0.43 | 0.87 |
| 1000 | 5,399.0 | 16.60 | 276.70 | 5,192.5 | 102.9 | -1,347.4 | 1,350.3 | 1.10 | 0.67 | 3.11 |
| | 5,444.0 | 17.30 | 278.50 | 5.235.6 | 104.7 | -1,360.4 | 1,364.4 | 1.94 | 1.56 | 4.00 |
| 1 . | 5,490.0 | 17.80 | 277.80 | 5,279.4 | 106.6 | -1,374.2 | 1,378.3 | 1.18 | 1.09 | -1.52 |
| | 5,525.0 | 18.34 | 277.88 | 5,312.7 | 108.1 | -1,384.9 | 1,389.1 | 1.56 | 1.56 | 0.22 |
| 1 1 | 4-30-9-16 T | | | 0,012.1 | .00.1 | ,,,,,, | ., | | | |
| | | | | | | | | | | |

NEWFIELD

PayZone Directional Services, LLC.

Survey Report



Company:

NEWFIELD EXPLORATION

Project:

USGS Myton SW (UT)

Site: Well: **SECTION 30 T9S, R16E** 4-30-9-16

Wellbore: Design:

Wellbore #1 ACTUAL

Local Co-ordinate Reference:

TVD Reference: MD Reference:

Well 4-30-9-16

4-30-9-16 @ 6080.0ft (RIG 328) 4-30-9-16 @ 6080.0ft (RIG 328)

North Reference:

True

2,013,236.09

Survey Calculation Method:

Database:

Minimum Curvature

EDM 2003.21 Single User Db

Survey

| Measured | | | Vertical | | | Vertical | Dogleg | Build | Turn |
|---------------|-----------------|----------------|---------------|---------------|---------------|-----------------|-------------------|-------------------|-------------------|
| Depth (ft) | Inclination (°) | Azimuth (°) | Depth (ft) | +N/-S (ft) | +E/-W (ft) | Section (ft) | Rate (°/100ft) | Rate (°/100ft) | Rate (°/100ft) |
| 5,535.0 | 18.50 | 277.90 | 5,322.2 | 108.5 | -1,388.0 | 1,392.3 | 1.56 | 1.56 | 0.22 |
| 5,580.0 | 18.80 | 277.80 | 5,364.8 | 110.5 | -1,402.3 | 1,406.6 | 0.67 | 0.67 | -0.22 |
| 5,625.0 | 18.70 | 278.40 | 5,407.4 | 112.5 | -1,416.6 | 1,421.1 | 0.48 | -0.22 | 1.33 |
| 5,671.0 | 18.40 | 279.60 | 5,451.0 | 114.8 | -1,431.1 | 1,435.7 | 1.06 | -0.65 | 2.61 |
| 5,716.0 | 18.50 | 280.30 | 5,493.7 | 117.3 | -1,445.1 | 1,449.9 | 0.54 | 0.22 | 1.56 |
| 5,761.0 | 19.10 | 278.80 | 5,536.3 | 119.7 | -1,459.4 | 1,464.3 | 1.71 | 1.33 | -3.33 |
| 5,806.0 | 18.80 | 277.10 | 5,578.9 | 121.7 | -1,473.9 | 1,478.9 | 1.40 | -0.67 | -3.78 |
| 5,851.0 | 17.70 | 276.20 | 5,621.6 | 123.3 | -1,487.9 | 1,493.0 | 2.52 | -2.44 | -2.00 |
| 5,908.0 | 15.70 | 276.20 | 5,676.2 | 125.1 | -1,504.2 | 1,509.3 | 3.51 | -3.51 | 0.00 |
| 5,965.0 | 15.00 | 276.20 | 5,731.2 | 126.7 | -1,519.2 | 1,524.4 | 1.23 | -1.23 | 0.00 |

Wellbore Targets

Target Name

- hit/miss target Dip Angle Dip Dir. TVD +N/-S +E/-W Northing Easting - Shape (ft) (ft) (ft) (ft) (ft) (°) (°) Latitude Longitude 40° 0' 26.424 N 110° 10' 8.243 W

- actual wellpath misses by 40.6ft at 5525.2ft MD (5312.8 TVD, 108.1 N, -1385.0 E) - Circle (radius 75.0) 4-30-9-16 TGT

| Checked By: | | Approved By: | | Date: | |
|-------------|------|--------------|------|-------|------|
| | | .pp | | | |
| | | | | _ | |



Project: USGS Myton SW (UT) Site: SECTION 30 T9S, R16E

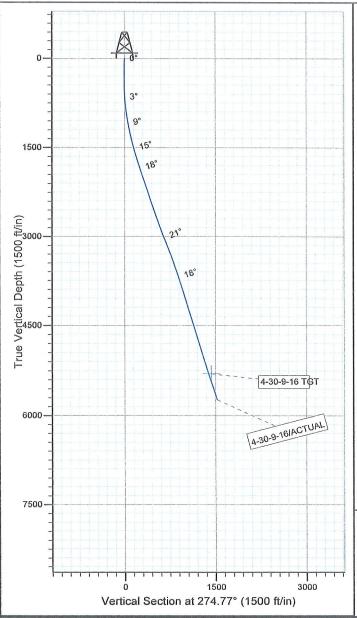
Well: 4-30-9-16 Wellbore: Wellbore #1

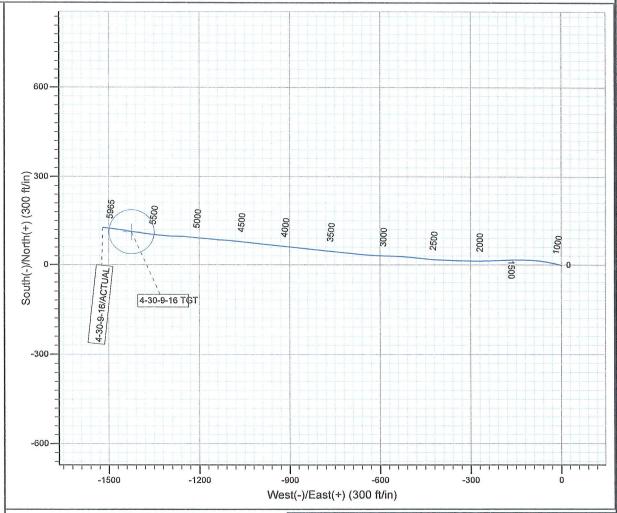
SURVEY: ACTUAL FINAL SURVEY REPORT



Azimuths to True North Magnetic North: 11.45°

Magnetic Field Strength: 52310.6snT Dip Angle: 65.76° Date: 2010/08/24 Model: IGRF2010







Design: ACTUAL (4-30-9-16/Wellbore #1)

Created By: Jim hudson Date: 15:44, October 05 2010 THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.

Daily Activity Report

Format For Sundry FEDERAL 4-30-9-16 6/1/2010 To 12/30/2010

FEDERAL 4-30-9-16

Waiting on Cement

Date: 8/24/2010

Ross #29 at 346. Days Since Spud - On 8/15/10 Ross Rig #21 spud Federal 4-30-9-16, drilled 346' of 12 1/4" hole, and ran 8 jts 8 5/8" - casing (quide shoe, shoe jt, baffle plate, 7 jts) set @ 348.66' KB. On 8/24/10 BJ Services cemented - Returned 3 bbls to pit. - 8 5/8" casing w/ 180 sks Class "G" + 2% CaCl2 + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield.

Daily Cost: \$0

Cumulative Cost: \$32,730

FEDERAL 4-30-9-16

Rigging down

Date: 8/30/2010

Capstar #328 at 346. 0 Days Since Spud - Rig down & Get ready to move to the Federal 4-

30-9-16 on 8/30/10 Daily Cost: \$0

Cumulative Cost: \$33,080

FEDERAL 4-30-9-16

Drill 7 7/8" hole with fresh water

Date: 8/31/2010

Capstar #328 at 2195. 1 Days Since Spud - RU - Nipple up bops - Accept rig @ 1:00 PM on 8/30/10 Held saftey mtg w/ B&C Quick Test & Test bops test pipe rams Insid - e Outside choke valves Upper kelly & floor valve Blind rams would not test changed rams out tried it again did not test change rubbers tested it again to 2000#s f/ 10 min casing to 1500#s f/ 30 min - TIH Tag cmt @ 290' - Drill 77/8 hole w/ fresh wtr F/ 290 to 2195' WOB 15/20 RPMS= 184 GPM= 409 ROP= 165' pr hr - Move rig 7 miles w/ Howcroft Trucking to the Fed 4-30-9-16 - PU MI 616 Dog sub 7/8 mil 4.8 stg .33 MM, NMDC XO, Gap sub, XO, Ant sub, NMDC, 24 jts of 4.5 HWDP &

Daily Cost: \$0

Cumulative Cost: \$97,350

FEDERAL 4-30-9-16

Drill 7 7/8" hole with fresh water

Date: 9/1/2010

Capstar #328 at 4687. 2 Days Since Spud - Rig serv - Drill 77/8 hole w/ fresh wtr F/ 2195' to 3418' WOB 22/24 RPMS= 184 GPM= 409 ROP= 152.8' pr hr - Drill 77/8 hole w/ fresh wtr

F/3418' to 4687' WOB 22/24 RPMS= 184 GPM= 409 ROP= 81.8' pr hr

Daily Cost: \$0

Cumulative Cost: \$126,764

FEDERAL 4-30-9-16

Drill 7 7/8" hole with fresh water

Date: 9/2/2010

Capstar #328 at 5965. 3 Days Since Spud - Rig serv - Drill 77/8 hole w/ fresh wtr F/5274' to 5965' WOB 22/24 RPMS= 184 GPM= 409 ROP= 62.8' pr hr - Drill 77/8 hole w/ fresh wtr

F/4687' to 5274' WOB 22/24 RPMS= 184 GPM= 409 ROP= 51' pr hr

Daily Cost: \$0

Cumulative Cost: \$158,998

FEDERAL 4-30-9-16

Rigging down

Date: 9/3/2010

Capstar #328 at 5965. 4 Days Since Spud - LDDP & BHA - Circ & pump pill for laydown - d Neutron Gamma Ray loggers depth 5946' - Held saftey mtg & Tested 5.5 casing rams to 2000#s for 10 min - RU & Run 141 jts of 5.5 J55 15.5# LT&C casing shoe 5958.38' & Float coller 5913.35' Trans 6 jts of c - asing to the Fed 10-35-8-15 - Circ for cement job - RU BJ Psi test lines Pump 250 sks of lead cmt mixed @ 11 ppg 3.53 yeild PLII+3% KCL+5#CSE+0.5#CF+2#KO - L+.5SMS+FP+SF & 400 sks of tail 14.4 ppg 1.24 yeild 50:50:2+3%KCL+0.5#EC-1+.25#CF+.5#SF+.3SMS+FP-6L - Disp 141 bbls & returned 30 bbls of cmt to pit - Nipple down & set 5.5 casing slips w/80,000#s - Clean mud pits - Release rig @ 6:00 AM 9/3/10 - Move to the Fed 10-35-8-15 on 9/3/10 - Held saftey mtg & RU Phoenix survey Inc & Log w/Duel Guard Gamma Ray & Compensated Density Compesate

Finalized

Daily Cost: \$0

Cumulative Cost: \$298,995

Pertinent Files: Go to File List

Sundry Number: 37059 API Well Number: 43013334700000

| | FORM 9 | | | | | | | |
|---|--|--------------------------------|--------------------------------|--|--|--|--|--|
| | 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391 | | | | | | | |
| SUNDF | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | | | | | |
| Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form | 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV) | | | | | | | |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: FEDERAL 4-30-9-16 | | | | | | | |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO | 9. API NUMBER: 43013334700000 | | | | | | | |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE | | | | | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0769 FNL 2034 FWL | COUNTY: DUCHESNE | | | | | | | |
| Qtr/Qtr: NENW Section: | STATE: UTAH | | | | | | | |
| 11. CHEC | K APPROPRIATE BOXES TO INDICAT | E NATURE OF NOTICE, REPOR | RT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | | TYPE OF ACTION | | | | | | |
| | ACIDIZE | ALTER CASING | CASING REPAIR | | | | | |
| NOTICE OF INTENT Approximate date work will start: | CHANGE TO PREVIOUS PLANS | CHANGE TUBING | CHANGE WELL NAME | | | | | |
| | CHANGE WELL STATUS | COMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE | | | | | |
| SUBSEQUENT REPORT Date of Work Completion: | DEEPEN | FRACTURE TREAT | ☐ NEW CONSTRUCTION | | | | | |
| 8/6/2012 | OPERATOR CHANGE | PLUG AND ABANDON | PLUG BACK | | | | | |
| SPUD REPORT | PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION | | | | | |
| Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | TEMPORARY ABANDON | | | | | |
| | TUBING REPAIR | VENT OR FLARE | WATER DISPOSAL | | | | | |
| DRILLING REPORT Report Date: | WATER SHUTOFF | SI TA STATUS EXTENSION | APD EXTENSION | | | | | |
| | | / OTHER | OTHER: Recompletion | | | | | |
| | WILDCAT WELL DETERMINATION | OTHER | <u>'</u> | | | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The above mentioned well was recompleted and then placed back on production. The following perforations were added in the Green River Formation: 4786-4788' 3 JSPF 6 holes 4782-4783' 3 JSPF 3 holes 4752-4754' 3 JSPF 6 holes 4702-4704' 3 JSPF 6 holes 4690-4692' 3 JSPF 6 holes 4683-4684' 3 JSPF 3 holes 4635-4636' 3 JSPF 3 holes 4589-4590' 3 JSPF 3 holes 4579-4580' 3 JSPF 3 holes 4570-4571' 3 JSPF 3 holes 4559-4560' 3 JSPF 3 holes NAME (PLEASE PRINT) PHONE NUMBER TITLE | | | | | | | | |
| Mandie Crozier | 435 646-4825 | Regulatory Tech | | | | | | |
| SIGNATURE N/A | | DATE 4/30/2013 | | | | | | |

Sundry Number: 37059 API Well Number: 43013334700000

Summary Rig Activity

Page 1 of 4

Daily Activity Report

Format For Sundry FEDERAL 4-30-9-16 4/1/2012 To 10/30/2012

7/20/2012 Day: 1

Recompletion

WWS #5 on 7/20/2012 - MIRU. Pooh with Rods and Tubing - Move Rig from GMBU K-35 to Fed 4-30. MIRU pump 100 BBIs H2O. Remove Head and Unseat pump Pulled 4000 lbs over string wieght. Flush Rods with 50 BBIs H2O. Fill and test tubing to 3000 Psi. Good Test. LD 202-7/8" & 4-1 1/2" Wieght Bars, 2 1/2"X 1 3/4"X 24' RHAC Hyd Pump Stopped twice and flushed W/ 50 bbls H20. ND well head unseat 5 1/2" B-2 TAC. TOOH W/ 4 jts MU RH & 1/2" HO pkr Tih & Set HO Pkr. Tooh W/ 4 Jts \$ Rw Change out well head from 3K to 5K Nu 5000# BOPS. SWIFN - Crew Travel and Safety Meeting

Daily Cost: \$0

Cumulative Cost: \$7,407

7/23/2012 Day: 2

Recompletion

WWS #5 on 7/23/2012 - NU BOPs and Frac Valve. Finish POOH with Tubing - Test 5K well head, Blind Rams, and Double Valves. Wait on single 5K Blind Rams. - Test 5K well head, Blind Rams, and Double Valves. Wait on single 5K Blind Rams. - ND 5K Schafeers. NU 5K Cameron Blind Rams, Frac Valve and 5K Schafeers. Test Blind Rams, Frac Valve, Pipe Rams, and Double Valves. TIH W/Ru & 4 JTs. Reland 5 1/2" HO Pkr. LD 4 jts 5 1/2" HO Pkr/RH Cont LD 46 Jts. Flush Tubing w/ 40 bbls H2O. Continue to LD 115 Jts 2 3/8" TAC LD 5 1/2" B-2 TAC, PSN and NC. SWIFN - Crew Travel and Safety Meeting - Crew Travel and Safety Meeting - RU WL. Set Kill plug @ 4856'. Pooh W/ WI Test Plug and Casing against bottom of Frac Falve To 4800 Psi for 30 Mins.Good Test. Took 50 BBLs to Filll. Test double valves on BOPS and 5K Lubricator. Perf Zones 4752-83'. RD WL. RD Floor and Ibl Works ND 5K BOPS. RDMO - RU WL. Set Kill plug @ 4856'. Pooh W/ WI Test Plug and Casing against bottom of Frac Falve To 4800 Psi for 30 Mins.Good Test. Took 50 BBLs to Filll. Test double valves on BOPS and 5K Lubricator. Perf Zones 4752-83'. RD WL. RD Floor and Ibl Works ND 5K BOPS. RDMO - Crew Travel and Safety Meeting - Crew Travel and Safety Meeting - ND 5K Schafeers. NU 5K Cameron Blind Rams, Frac Valve and 5K Schafeers. Test Blind Rams, Frac Valve, Pipe Rams, and Double Valves. TIH W/ Ru & 4 JTs. Reland 5 1/2" HO Pkr. LD 4 jts 5 1/2" HO Pkr/ RH Cont LD 46 Jts. Flush Tubing w/ 40 bbls H2O. Continue to LD 115 Jts 2 3/8" TAC LD 5 1/2" B-2 TAC, PSN and NC. SWIFN

Daily Cost: \$0

Cumulative Cost: \$15,422

7/24/2012 Day: 4

Recompletion

WWS #5 on 7/24/2012 - Frac & Flow Back Well - Open Well To Flow back Tk @ 1700 psi on 20/64 Choke @ 3 BPM - 1st stage RU BJ Safety Meeting JSA. Press test Lines to 5200 psi. Open Well @ 0 psi Break Down A.5 & B2 formation (15 holes) @ 3258 psi @ 2.8 BPM W/ 22 bbls Fresh water. Pump 6 bbls 15% HCL 93 bbls Fresh Water To get Rate, 15 BBls to get X link pump 119 bbls 2# to 4# 20/40 sand (ramped) 240 bbls 4# to5# 20/40 sand (ramped) 71 bbls 6# 20/40 sand, 12 bbls 15% HCL, 113 bbls Fresh water Flush. ISIP 2013 psi, FG .85, Max Press 4030 psi, Avg Press 3336 psi, Max Rate 43 BPM Avg Rate 31.1 BPM. 74,514# 20/40 White Sand in Formation. 661 total BBIs Pumped - RU Extreme WL & RMT Tester press test Lube to 5000psi. Open Well @ 1890 psi RIH w/ CFTP & 3-1/8 Csg Guns 3 SPF set CFTP @ 4730' & perforate the B.5 & C Formation @ 4702-04', 4690-92', 4683-84', 4635-36', (18 holes) POOH RD WL CWI - 2nd Stage RU BJ Safety Meeting JSA. Press test Lines to 5200 psi.

Sundry Number: 37059 API Well Number: 43013334700000

Summary Rig Activity

Page 2 of 4

Open Well @ 1475 psi Break Down B.5 & C formation (18 holes) @ 3868 psi @ 2.5 BPM W/ 1.3 bbls Fresh water. Pump 87 bbls Fresh Water To get Rate, 15 BBls to get X link pump 178 bbls 2# to 4# 20/40 sand (ramped) 340 bbls 4# to5# 20/40 sand (ramped) 91 bbls 6# 20/40 sand, 12 bbls 15% HCL, 110 bbls Fresh water Flush. ISIP 2052 psi, FG .87, Max Press 3782 psi, Avg Press 3262 psi, Max Rate 43.3 BPM Avg Rate 37.8 BPM. 109,180# 20/40 White Sand in Formation. 833 total BBls Pumped - RU Extreme WL & RMT Tester press test Lube to 5000psi. Open Well @ 1900 psi RIH w/ CFTP & 3-1/8 Csg Guns 3 SPF set CFTP @ 4620' & perforate the D3 Formation @ 4589-90', 4579-80', 4570-71', 4559-60', (12 holes) POOH RD WL CWI - 3rd Stage RU BJ Safety Meeting JSA. Press test Lines to 5200 psi. Open Well @ 1619 psi Break Down D3 formation (12 holes) @ 2952 psi @ 2.5 BPM W/ 2 bbls Fresh water. Pump 55 bbls Fresh Water To get Rate, 15 BBls to get X link pump 119 bbls 2# to 4# 20/40 sand (ramped) 240 bbls 4# to5# 20/40 sand (ramped) 54 bbls 6# 20/40 sand, 109 bbls Fresh water Flush. ISIP 2152 psi, FG .90, Max Press 3763 psi, Avg Press 3520 psi, Max Rate 34.2 BPM Avg Rate 28.6 BPM. 73,202# 20/40 White Sand in Formation. 591 total BBls Pumped

Daily Cost: \$0

Cumulative Cost: \$147,181

7/26/2012 Day: 5

Recompletion

Rigless on 7/26/2012 - Set kill plug at 4480' - WL already rigged up on location. Picked up Lubricator, setting tool, and Plug. Encountered paraffin from 290' to 375'. Slowly worked through and eventually broke through. Set plug at 4480'. RDMO WL and Shut Well in. Wait on workover.

Daily Cost: \$0

Cumulative Cost: \$149,519

7/27/2012 Day: 6

Recompletion

Stone #8 on 7/27/2012 - MIRU. NU BOPS - MIRU. RD Flow Back Lines and spot in and Rig up. ND Frack valve and remove 10k flange from pipe BOPS and add 5k flange. NU Bops change out blind rams for pipe rams. NU Washinton Head. Tighten Bolts. RU Floor and tongs. Had to wait for weatherford testing. They got lost on the way out to location and had a hard time finding there way back to location.

Daily Cost: \$0

Cumulative Cost: \$152,647

7/30/2012 Day: 7

Recompletion

Stone #8 on 7/30/2012 - Pressure test BOPs. RIH with Tubing and BHA to drill out plugs - Hold PJSM. Test Bops Pu tubing no pressure on well. PU Tubing hanger with double check. Wouldn't go into wellhead. Needed different hanger. Drove to get new hanger to test BOPS. RU Pump Lines. Place hanger in wellhead and test 2 sets pipes and 2 kill valves. Pressure tests good. Rd Testers. Tally and PU tubing with BHA consisting of Bit, Sub, 1 joint tubing,XN nipple, and 108 joints of tubing. Started blowing oil. Ru Rest of pump and roll out Oil w/ 70 bbls of H20 Pu 35 joints and tag kill plug @ 4480' LD 1 joint. Ru power swvivel SWIFN EOT 4470'.

Daily Cost: \$0

Cumulative Cost: \$159,782

7/31/2012 Day: 8

Recompletion

Summary Rig Activity Page 3 of 4

Stone #8 on 7/31/2012 - Drill Plugs. Twisted off Pipe. Fished & Jarred on Pipe w/ no Luck. - WAIT FOR RBS - OPEN WELL TAG AND DRILL ONT PLUG @ 4480' 20 MIN PU 2 JNTS ON SWIVEL - TAG FISH AND JAR MADE 1 ' RU PUMP AND JAR NOT MOVING PULL UP TO 70 K TENSION AND LEAVE OVER NIGHTSDFN - MU & TALLY FISHING TOOLS OVER SHOT JAR BUMPER SUB X OVERS TBG SUB - CREW TRAVEL SAFETY MEETING TOPIC DRILLING PLUGS NO PRESSURE ON WELL - TAG @ 4537' DRILL ON PLUG 5 MIN FELL TO 4565' WASH TO 4598' MAKE CONNECTION TBG STUCK LOST CIRCULATION GET IT BACK TBG WONT MOVE - TBG BROKE FREE @ 70000 # CIRCULATE CLEAN RIH TAG HARD @ 4598' SET DOWN TURN SLOW AND LOCKED UP PU ON TBG AND STARTED SPINING - POOH W/ 143 JNTS TBG PARTED @ 4475' # 4 JNT IN HOLE 1 1/2' OF # 4 TWISTED OFF TOP OF FISH 4475'

Daily Cost: \$0

Cumulative Cost: \$172,757

8/1/2012 Day: 9 Recompletion

Stone #8 on 8/1/2012 - Release Fish. Scan Tbg LD 6 Jts RIH w/ Wash Pipe. Wash Down to Bit Sub. LD 5 Jts EOT @ 4415' - OPEN WELL NO PRESSURE ON WELL TBG STILL STUCK CANT GET OFF FISH RU SWIVEL RELEASE FISH RD SWIVEL - CREW TRAVEL SAFETY MEETING TOPIC SCANOLOG TBG OUT OF HOLE PU AND LD FISHING TOOLS AND WASH PIPE - RAISE FLOOR RU PRS AND SCAN 28 JNTS TBG PU 23 JNTS SCAN REST OF TBG 164 JNTS TOTAL LD 6 RED JNTS TBG RD P R S LOWER FLOOR - PU SHOE 4 4 1/2" WASH PIPE TOP BUSHING XO SUB BUMPER SUB JARS 2 3" COLLARS INTENSFIER XO SUB 6' PUP JNT RIH W/ 2 JNTS X N NIPPLE 134 JNTS TBG ALL 120 JNTS YELLOW BAND ON BOTTOM BLUE BAND ON TOP - RU SWIVEL PU 1 JNT AND GET IN PU 1 JNT AND TAG @ 4521 HARD FOR 25 MIN SLOW DOWN PUMP TO 1 BPM AND STARTED MAKING HOLE WASH TO 4622' FISH TOP @ 4495 ROLL HOLE W/ 70 BBL RD SWIVEL LD 5 JNTS PULL 2 JNTS EOT @ 4415' SWIFN

Daily Cost: \$0

Cumulative Cost: \$181,605

8/2/2012 Day: 10 Recompletion

Stone #8 on 8/2/2012 - POOH w/ Wash pipe Fish Stuck IN Pipe LD Fish & Pipe. RIH w/ Tbg & Bit - RIH w/ NEW BIT AND BIT SUB 2 JNTS TBG X N NIPPLE 146 JNTS TBG TAG PLUG @ 4610' LD 1 JNT RU SWIVEL SWIFN EOT 4590' - CUT AND LD 4 JNTS TBG AND 4 JNTS WASHPIPE CUTING TBG LD COLLARS BREAK ALL CONNECTIONS PULL TBG OUT OF WASH PIPE LOAD TOOLS - WAIT FOR TOOLS TO CUT AND LD WASHPIPE AND TBG - OPEN WELL PU 7 JNTS TBG AND TAG FISH NO FILL LD 7 JTS POOH W/ 134 JNTS TBG LD INTENSIFIER A JARS BUMPER SUB STAND BACK 2 COLLARS FISH STUCK IN WASH PIP - CREW TRAVEL SAFETY MEETING TOPIC CLEAN OUT FISH PULL AND RUN TBG LD AND PU FISHING TOOLS TBG AND CSG ON A SUCK

Daily Cost: \$0

Cumulative Cost: \$214,923

8/3/2012 Day: 11 Recompletion

Stone #8 on 8/3/2012 - Finish Clean Out to PBTD 5886'. Swab Back 150 bbls. - OPEN WELL PU 1 JNT ON SWIVEL 25 BBL TO GET CIRCULATION TAG AND DRILL OUT PLUG @ 4610' 20 MIN - SWIVEL IN TAG SAND @ 4678 WASH 52' SAND ANS DRILL OUT PLUG @ 4730' 20 MIN - SWIVEL IN TAG SAND 4793' WASH 57' SAND TO PLUG @ 4850' DRILL OUT 40 MIN - ROLL OUT SAND W/ 100 BBL - RD SWIVEL RIH W/ 10 JNTS AND PU TBG TAG PBTD @ 5886' ROLL OUT W/ 50 BBL PULL 3 JNTS EOT 5714' - RU SWAB EQUIPMENT FLUID @ 200' FIRST RUN AFTER 9 RUNS 90 BBL FLUID LVL @ 1300' TRACE OIL LITTLE GAS LOTS OF SAND - MAKE 6 RUNS 60 BBL FLUID LVL STAYING @ 1300; TRACE OIL LESS SAND SWIFN - CREW TRAVEL

Summary Rig Activity Page 4 of 4

SAFETY MEETING TOPIC DRILLING PLUGS SWABING TRIPING TBG NO PRESSURE ON WELL 600 TO 700 CREW TRAVEL

Daily Cost: \$0

Cumulative Cost: \$224,118

8/6/2012 Day: 12 Recompletion

Stone #8 on 8/6/2012 - Swab Well. CK Fill. Clean out To 31' sand To PBTD. Trip Tbg - RU PUMP AND FLUSH TBG W/ 100 BBL - CREW TRAVEL SAFETY MEETING TOPIC PU RODS RU UNIT SITP 0# SICP 250 # - CREW TRAVEL SAFETY MEETING TOPIC PU RODS RU UNIT SITP 0# SICP 250 # - CREW TRAVEL - CREW TRAVEL - RACK OUT SWIVEL RD FLOOR ND BOPS SET TAC NU B FLANGE AND PUMP TEE CHANGE OVER TO RODS SWIFN - RACK OUT SWIVEL RD FLOOR ND BOPS SET TAC NU B FLANGE AND PUMP TEE CHANGE OVER TO RODS SWIFN -RIH W/ NOTCHED COLLAR 2 JNTS TBG PSN 1 JNT TBG 5 1/2" TAC 165 JNTS TBG - RIH W/ NOTCHED COLLAR 2 JNTS TBG PSN 1 JNT TBG 5 1/2" TAC 165 JNTS TBG - LD 20 JNTS POOH W/ 168 JNTS TBG LD XN BIT AND SUB - LD 20 JNTS POOH W/ 168 JNTS TBG LD XN BIT AND SUB - PU 4 JNTS TBG TAG @ 5855' WASH 31' SAND TO 5886' ROLL HOLE W/150 BBL - PU 4 JNTS TBG TAG @ 5855' WASH 31' SAND TO 5886' ROLL HOLE W/150 BBL - RU SL RIH FLUID LVL @ 1100' MAKE 6 RUNS 60 BBL VERRY LITTLE SAND 10 % OIL SOME GAS 1300' FLUID LVL RD SL - RU SL RIH FLUID LVL @ 1100' MAKE 6 RUNS 60 BBL VERRY LITTLE SAND 10 % OIL SOME GAS 1300' FLUID LVL RD SL - CUT AND POUR NEW ROPE SOCKET ON SANDLINE BLEED DOWN WELL - CUT AND POUR NEW ROPE SOCKET ON SANDLINE BLEED DOWN WELL -CREW TRAVEL SAFETY MEETING TOPIC SWABING TRIPING TBG SITP SMALL BLOW SICP 200 # - CREW TRAVEL SAFETY MEETING TOPIC SWABING TRIPING TBG SITP SMALL BLOW SICP 200 # - RU PUMP AND FLUSH TBG W/ 100 BBL - PU AND PRIME PUMP 4 WEIGHT BARS W/ 4 STABILIZERS PU USED 7/8" 8 PERS CLEANING BOXES AND PINS SPACE OUT W/ NO SUBS PU POLISH ROD SEAT FILL W/ 5 BBL TEST TO 800 # BLEW OUT STFG BOX RUBBERES RU UNIT RACK OUT PUMP - PU AND PRIME PUMP 4 WEIGHT BARS W/ 4 STABILIZERS PU USED 7/8" 8 PERS CLEANING BOXES AND PINS SPACE OUT W/ NO SUBS PU POLISH ROD SEAT FILL W/ 5 BBL TEST TO 800 # BLEW OUT STFG BOX RUBBERES RU UNIT RACK OUT PUMP - REPLACE RUBBERS IN STFG BOX STROKE W/ UNIT RIG DOWN - REPLACE RUBBERS IN STFG BOX STROKE W/ UNIT RIG DOWN - RDMO TURN OVER TO ROUSTABOUTS TO PLUMB IN WELL -RDMO TURN OVER TO ROUSTABOUTS TO PLUMB IN WELL - FINAL REPORT - FINAL REPORT

Finalized
Daily Cost: \$0

Cumulative Cost: \$230,793

Pertinent Files: Go to File List

| | STATE OF UTAH | | FORM 9 |
|--|--|--|--|
| ι | DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | 9 | 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391 |
| SUNDR | Y NOTICES AND REPORTS ON | WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | posals to drill new wells, significantly deep reenter plugged wells, or to drill horizontal l n for such proposals. | | 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 1. TYPE OF WELL Oil Well | | | 8. WELL NAME and NUMBER: FEDERAL 4-30-9-16 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO | DMPANY | | 9. API NUMBER: 43013334700000 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT | | ONE NUMBER: | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0769 FNL 2034 FWL | | | COUNTY: DUCHESNE |
| QTR/QTR, SECTION, TOWNSH | HP, RANGE, MERIDIAN: 30 Township: 09.0S Range: 16.0E Meridian: | S | STATE: UTAH |
| 11. CHECI | K APPROPRIATE BOXES TO INDICATE N | ATURE OF NOTICE, REPOR | T, OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| The subject well hinjection well on 12 State of Utah DOG above listed well. Opsig and charted for injecting during the | CHANGE TO PREVIOUS PLANS CHANGE WELL STATUS DEEPEN OPERATOR CHANGE PRODUCTION START OR RESUME REPERFORATE CURRENT FORMATION TUBING REPAIR WATER SHUTOFF | ucing oil well to an nard Powell with the e initial MIT on the ressured up to 1265 ass. The well was not 500 psig during the | Accepted by the Utah Division of Oil, Gas and Mining |
| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE | |
| Lucy Chavez-Naupoto SIGNATURE | 435 646-4874 | Water Services Technician DATE | |
| N/A | | 1/5/2015 | |

Mechanical Integrity Test Casing or Annulus Pressure Test

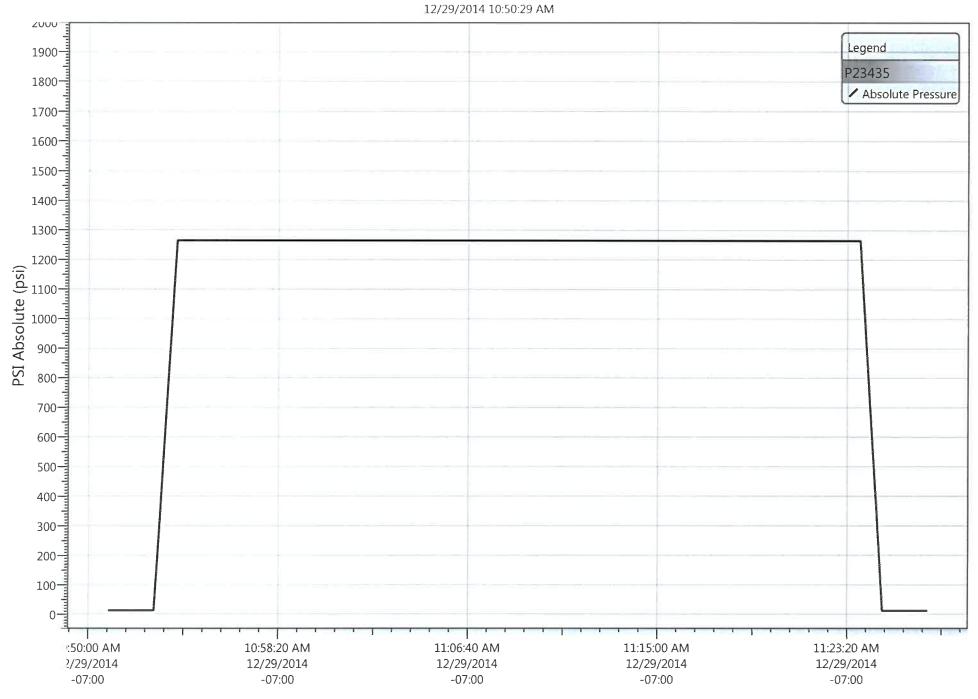
Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052 435-646-3721

| Witness: | Date 12/29/19 | Time 10:50 (am pm |
|------------------------------|---------------|-------------------|
| Test Conducted by: Dustin | Allred | |
| Others Present: | | |
| • | | • |
| Well: FEDERAL 4-30-9-16 | Field: Mo | nument Butte |
| Well Location: NE/NW Sec. 30 | API No: 4 | 301333470 |
| | | |

| <u>Time</u> | Casing Pressure | |
|------------------|------------------------|------|
| 0 min | 1265 | psig |
| 5 | 1266 | psig |
| 10 | 1266 | psig |
| 15 | 1266 | psig |
| 20 | 1265 | psig |
| 25 | 1265 | psig |
| 30 min | 1265 | psig |
| 35 | | psig |
| 40 | | psig |
| 45 | | psig |
| 50 | | psig |
| 55 | | psig |
| 60 min | | psig |
| Tubing pressure: | 500 | psig |
| Result: | Pass I | -ail |

| Signature of Witness: | |
|--------------------------------------|--------|
| Signature of Person Conducting Test: | Tast A |

4-30-9-16 State MIT



Sundry Number: 59526 API Well Number: 43013334700000 **NEWFIELD** Schematic Well Name: Federal 4-30-9-16 Surface Legal Location ease State/Province ield Name 30-9S-16E 43013334700000 500173456 Utah GMBU CTB3 **DUCHESNE** Spud Date Rig Release Date Original KB Elevation (ft) On Production Date Ground Elevation (ft) Total Depth All (TVD) (ftKB) PBTD (All) (ftKB) 8/15/2010 9/3/2010 9/23/2010 6,080 6,068 Original Hole - 5,731.2 Original Hole - 5,913.4 Most Recent Job Primary Job Type Secondary Job Type Job Start Date Job End Date Production / Workover Conversion Basic 12/18/2014 12/29/2014 TD: 5,965.0 Vertical - Original Hole, 1/5/2015 8:56:24 AM TVD MD (ftKB) (ftKB) DLS Incl (°) Vertical schematic (actual) DLS (°.. 11.8 11.8 0.0 12.1 12.1 3-1; Stretch Correction; 2 7/8; 2.441; 12-13; 1.26 13.1 13.1 0.0 919 91.9 346.8 346.8 0.7 347.8 347.8 1; Surface; 8 5/8 in; 8.097 in; 12-348 ftKB; 335.66 ft 349 1 0.7 349 1 ·3-2; Tubing; 2 7/8; 2.441; 13-4,503; 4,489.47 4,502.6 4.335.6 3-3; Pump Seating Nipple; 2 7/8; 2.270; 4,503-4,504; 1.10 4,503.9 4,336.9 16.6 3-4; On-Off Tool; 4.52; 1.875; 4,504-4,505; 1.45 4,505.2 4,338.1 3-5; Seal Nipple; 2 7/8; 2.441; 4,505-4,506; 0.33 4,505.6 4,338.4 16.6 3-6; Packer; 4 5/8; 2.441; 4,506-4,513; 6.95 4,512.5 4,345.0 3-7; Cross Over; 3.64; 1.991; 4,513-4,513; 0.51 4,513.1 4,345.7 16.6 -3-8; Tubing Pup Joint; 2 3/8; 1.991; 4,513-4,517; 4.05 4,517.1 4,349.4 -3-9; XN Nipple; 2 3/8; 1.875; 4,517-4,518; 1.22 4,518.4 4,350.7 16.7 3-10; Wireline Guide; 3 1/8; 1.991; 4,518-4,519; 0.40 4,518.7 4.351.0 4,559.1 4.389.7 16.8 Perforated; 4,559-4,560; 7/24/2012 4,560.0 4,390.6 4,569.9 16.9 4,400.0 Perforated; 4,570-4,571; 7/24/2012 4.570.9 4.401.0 4,579.1 4,408.8 17.0 Perforated; 4,579-4,580; 7/24/2012 4,580.1 4,409.7 4,588.9 17.0 4,418.2 2000 Perforated; 4,589-4,590; 7/24/2012 4,589.9 4,419.2 4,634.8 4.462.1 17.1 SEED! Perforated; 4,635-4,636; 7/24/2012 4,636.2 4,463.4 4,683.1 4,508.3 16.9 Perforated; 4,683-4,684; 7/24/2012 4.684.1 4.509.2 4,690.0 4,514.8 17.0 Perforated; 4,690-4,692; 7/24/2012 4,691.9 4,516.7 4,702.1 4.526.4 17.1 Perforated; 4,702-4,704; 7/24/2012 4,704.1 4,528.3

2000

Page 1/2

Perforated; 4,880-4,894; 9/18/2010

Perforated; 5,141-5,145; 9/14/2010

Perforated; 5,172-5,174; 9/14/2010

Perforated; 5,177-5,179; 9/14/2010

Perforated; 5,186-5,191; 9/14/2010

2; Production; 5 1/2 in; 4.950 in; 12-5,958 ftKB; 5,946.38 ft

Report Printed: 1/5/2015

4,879.9

4.894.0

5,141.1

5,145.0

5,171.9

5,173.9

5,176.8

5.179.1

5,186.0

5,190.9

5,913.4

5,914.7

5.957.0

5,958.3

5,964.9

www.newfield.com

4.696.1

4.709.6

4,945.7

4,949.4

4,975.2

4.977.1

4,979.9

4.982.1

4,988.7

4,993.4

5,681.4

5,682.7

5,723.5

5,724.7

5,731.1

17.6

16.8

17.1

17.1

17.2

15.6

15.1

15.0

W.

NEWFIELD

Newfield Wellbore Diagram Data Federal 4-30-9-16

| 1 LODC, Or 1 LODC, Or Stimulations & Tre Stage# | | (psi) 1,715 | Frac Gradie | nt (psi/ft) | Max Rate (bbl/min) | Max PSI (psi) 4,600 | Total Clean Vol (bbl) | Total Slurry Vol (bbl) | Vol Recov (bbl) | |
|--|---------------------------------|----------------------|-----------------------|----------------|--------------------|---|---------------------------|--|------------------------|--|
| 1 LODC, Or | | | | | | | | | | |
| | | | | | 5,.07 | 9 | 120 | 0.000 | 011772010 | |
| 1 LODC: Or | - | | | 5,186 | 5,191 | 3 | 120 | | 9/14/2010 | |
| 1 LODC, Original Hole 5,172 5,174 | | | | 5,172 | 5,174 | 3 | 120 120 | | 9/14/2010 9/14/2010 | |
| | | | | | | 3 | 120 | | 9/14/2010 | |
| 1 LODC, O | | , | | 4,880 5,141 | 4,894 5,145 | 3 | 120 | | 9/18/2010 | |
| 3 B .5, Orig 2 A1, Origin | | | | 4,702 | 4,704 | 3 | 120 | | 7/24/2012 | |
| 3 B .5, Orig | | | | 4,690 | 4,692 | 3 | 120 | | 7/24/2012 | |
| 3 B .5, Orig | | | | 4,683 | 4,684 | 3 | 120 | | 7/24/2012 | |
| | Original Ho | oie | | 4,635 | 4,636 | 3 | 120 | | 7/24/2012 | |
| 4 D3, Origin | | | | 4,589 | 4,590 | 3 | 120 | | 7/24/2012 | |
| 4 D3, Origin | | | | 4,579 | 4,580 | 3 | 120 | 0.340 | 7/24/2012 | |
| 4 D3, Origin | | 1 | | 4,570 | 4,571 | 3 | 120 | 0.340 | 7/24/2012 | |
| 4 D3, Origin | | | | 4,559 | 4,560 | 3 | 120 | | 7/24/2012 | |
| Stage# | Zone | L. Line | Top (fi | | Btm (ftKB) | Shot Dens (shots/ft) | Phasing (°) | Nom Hole Dia (in) | Date | |
| erforation Interva | ls | | | | | | | | | |
| Item Des | -300 | Jts | OD (| in) | Wt (lb/ft) | Grade | Len (ft) | Top (ftKB) | Btm (ftKB) | |
| od Description | | | | | | Run Date | | Set Depth (ftK8) | | |
| Rod Strings | | | 0 110 | 1.001 | | | 0.40 | 4,518.3 | 4,518 | |
| Vireline Guide | | | 3 1/8 | 1.991 | | | 1.22 0.40 | 4,517.1 | 4,518 | |
| KN Nipple | | 1 | 2 3/8 | 1.875 | | | 4.05 | 4,513.0 | 4,51 | |
| Fubing Pup Joint | | 1 | 2 3/8 | 1.991 | | | 0.51 | 4,512.5 | 4,51 | |
| Packer Cross Over | 8 8 | 1 | 4 5/8 3.635 | 2.441 1.991 | | | 6.95 | 4,505.6 | 4,51 | |
| Seal Nipple | | 1 | 2 7/8 | 2.441 | | | 0.33 | 4,505.2 | 4,50 | |
| On-Off Tool | | 1 | 4.515 | 1.875 | | | 1.45 | 4,503.8 | 4,50 | |
| Pump Seating Nipp | е | 1 | 2 7/8 | 2.270 | | | 1.10 | 4,502.7 | 4,50 | |
| ubing | | 144 | 2 7/8 | 2.441 | 6.50 | J-55 | 4,489.47 | 13.2 | 4,50 | |
| Stretch Correction | | 1 1 1 1 1 1 1 1 1 1 | 2 7/8 | 2.441 | 0.51 | 1.55 | 1.26 | 12.0 | 1 | |
| Item Des | | Jts | OD (in) | ID (in) | Wt (lb/ft) | Grade | Len (ft) | Top (ftKB) | Btm (ftKB) | |
| ubing | | | | | | | /2014 | Set Depth (ftKB) | 4,51 | |
| ubing Strings ubing Description | ALC: VI | | | | | Run Date | | | DVY ERE | |
| | .20#01 1.0 | J#OI 1.301 | WIO 111 -OL | | | Tall | 400 | 50/50/2 | 3,02 | |
| Huid Description 3%KCL+0.5#EC-1+ | - 25#CE+ / | 5#SE+ 3SI | MS+ED 6I | | | Fluid Type Tail | Amount (sacks) | Class | Estimated Top (ftKB) | |
| 3%KCL+5#CSE+0. | %KCL+5#CSE+0.5#CF+2#KOL+,5SMS+F | | S+FP+SF | | | Lead | | PLII | 9 | |
| BJ Services Compa Fluid Description | , | | | | | 92.0 Fluid Type | 5,965.0 Amount (sacks) | Class | Estimated Top (ftKB) | |
| String: Production Cementing Company | | 5 9/3/2010 | 0 | | | Top Depth (ftKB) | Bottom Depth (ftKB) | Full Return? | Vol Cement Ret (bbl) | |
| 2% CaCl2 + 0.25#/s | | | | | | Lead | 180 | | 1 | |
| luid Description | | | | | | 12.0 Fluid Type | 349.0 Amount (sacks) | Class | Estimated Top (ftKB) | |
| Cementing Company BJ Services Compa | | | | | | Top Depth (ftKB) | Bottom Depth (ftKB) | Full Return? | Vol Cement Ret (bbl) | |
| Cement String: Surface, 34 | 8ftKB 8/2 | 24/2010 | | - | | | | MATERIA DE LA CONTRACTOR DE LA CONTRACTO | | |
| Production | | | 9/2/2010 | | 5 1/2 | 4.950 | 15.50 | J-55 | 5,9 | |
| Surface | | | 8/15/2010 | _ | 8 5/8 | 8.097 | 24.00 | | 3 | |
| Csg | Des | | Run I | | OD (in) | ID (in) | Wt/Len (lb/ft) | Grade | Set Depth (ftKB) | |
| Casing Strings | | 0,000 | | Librate. | 0,900.0 | Original Flore - 5,75 | 1.2 | Original Hole - 5,913.4 | | |
| Original KB Elevation (ft) 6,080 | Ground Elev | ration (ft) 6,068 | Total Depth (f | tKB) | 5 965 0 | Total Depth All (TVD) (ftKB Original Hole - 5,73 |) | PBTD (All) (ftKB) | | |
| | | | Spud Date | 8/15/ | 2010 | Final Rig Release Date | 2010 | On Production Date | 5/2010 | |
| /ell Start Date | | | Utah | | | Basin | | Field Name GMBU CTB3 | | |
| UCHESNE | | | County State/Province | | | | | Field Name | | |



Newfield Wellbore Diagram Data Federal 4-30-9-16

| Stage# | ISIP (psi) | Frac Gradient (psi/ft) | Max Rate (bbl/min) | Max PSI (psi) | Total Clean Vol (bbl) | Total Sturry Vol (bbl) | Vol Recov (bbl) |
|----------|-------------------------------|------------------------|--------------------|---------------|------------------------|------------------------|-----------------|
| | 2,052 | 0.87 | 43.0 | 3,782 | | | 1.07 |
| | 2,152 | 0.9 | 34.0 | 3,763 | | | |
| Proppant | PERSONAL MARKS | | | | ALC: THE TAXABLE PARTY | | |
| Stage# | Total Prop Vol Pumped (lb) | Total Add Amount | | | | | |
| | | Proppant Sand 4614 | 1 lb | 40-5-4 | | | |
| | | Proppant Sand 63340 |) lb | | | | |
| | | Proppant White Sand | 74514 lb | | | | |
| | | Proppant White Sand | 109180 lb | | | | |
| 5 | | Proppant White Sand | 73202 lb | | | | |

www.newfield.com

NEWFIELD

Job Detail Summary Report

| Well Name | : Federal 4-3 | 0-9-16 | | | | | | |
|---------------------------------|-------------------------------|--------------------|--------------------------------------|--------------|--|-------------------------|--------------------|---------------------|
| Jobs | | | | | | | | |
| Primary Job Type | | | | | Job Start Date | | Job End Date | |
| Conversion | | | | | 12/18/2014 | | | 12/29/2014 |
| | | | | | | | | |
| Daily Operatio | ns | | | | | | | |
| Report Start Date | Report End Date | 24hr Activity Sun | nmary | | | | | |
| 12/18/2014 Start Time | 12/18/2014 | MIRUSU | End Time | | | | | |
| State inte | 10:00 | | Ena Time | 11:30 | Comment Moved from 10-27-8-17 @ 1000 | | | |
| Start Time | | | End Time | | Comment | | | |
| Charle Time | 11:30 | | | 12:30 | MIRUSU | | | |
| Start Time | 12:30 | | End Time | 13:30 | Comment | ** */ O // Di | | |
| Start Time | 12.00 | | End Time | 13.30 | RDPU, Advantage H/O Pmped 60BV | W d/ Csg w/ Biocides | | |
| | 13:30 | | | 14:00 | LD & Strip Polished Rod, US Rod Pn | mp. H/O Flushed Rods | s w/ 40BW | |
| Start Time | 14:00 | | End Time | 44.00 | Comment | | | |
| Start Time | 14:00 | | End Time | 14:30 | Soft Seat Test Tbg, 10BW to Fill Tbg | g, PT Tbg to 3300psi, | GOOD TEST | |
| | 14:30 | | Litatione | 16:00 | LD 90- 7/8" 8per | | | |
| Start Time | 12.00 | | End Time | | Comment | | | |
| Start Time | 16:00 | | T- 4 Time | 16:30 | H/O Flushed Rods w/ 30BW | | | |
| Start rune | 16:30 | | End Time | 18:00 | Comment LD 60- 7/8" 8per, 1745: SWIFN | | | |
| Start Time | | | End Time | 10.00 | Comment | | | |
| | 18:00 | | | 18:30 | C/TrvI | | | |
| Report Start Date 12/19/2014 | Report End Date 12/19/2014 | 24hr Activity Sum | mmary D WH, FUNCTION ⁻ | TECT NULDOD | | | | |
| Start Time | 12/10/2017 | LD KDS, ND | End Time | TEST, NU BUP | Comment | | | |
| | 05:30 | | | 06:00 | C/TrvI | | | |
| Start Time | 06:00 | | End Time | 07.00 | Comment | | | |
| Start Time | 06:00 | | End Time | 07:00 | Safety Mtg | | | |
| otare initia | 07:00 | | Elia fillie | 08:30 | Comment OWU, LD 52- 7/8" 8per Guided Rods | 2 4- 1 1/2"\Wt Bars 4- | 1" Stahilizer Rode | 22' Pad Pump on Tri |
| Start Time | | | End Time | | Comment | | | 22 Rou Fump on th |
| Start Time | 08:30 | | <u> </u> | 09:30 | XO For Tbg, ND WH, Function Test & | & NU BOPs, RU Work | floor | |
| start Time | 09:30 | | End Time | 10:00 | Comment Released TAC Not Able to Move Lin | Liela Markod Tha w | / Tanana | |
| start Time | | | End Time | 10.00 | Released TAC, Not Able to Move Up | Hole, vvorked 1 bg wi | Tongs | |
| | 10:00 | | | 10:30 | H/O Pmed 40BW d/ Tbg @ 1.5BPM | | | |
| start Time | 10:30 | | End Time | 42.00 | Comment | | | |
| tart Time | 10:30 | | End Time | 13:00 | Continue to Work Tbg Still Not Able N | Move Up Hole | | |
| | 13:00 | | End Timo | 15:00 | RBS P/ Swivel, LD 5- Jts (157') w/ P/s | Swivel on Trl Until Tbo | n Moved Freely | |
| tart Time | 15.00 | | End Time | | Comment | | g 1110.00 1 100.1y | |
| tart Time | 15:00 | | End Time | 17:00 | POOH w/ 40-Jts B&D Collars SWIFW | VE | | |
| tart rinic | 17:00 | | End Time | 17:30 | Comment C/TrvI | | | |
| eport Start Date | Report End Date | 24hr Activity Sumr | | | , | | | |
| 12/22/2014 tart Time | 12/22/2014 | POOH TBG, | | | | | | |
| tart ume | 05:30 | | End Time | 06:00 | Comment C/TrvI | | | |
| tart Time | 00.00 | | End Time | 00.00 | Comment | | | |
| | 06:00 | / | | 07:00 | Safety Mtg | | | |
| tart Time | 07:00 | | End Time | 07:30 | Comment | | | |
| | 07.00 | | | 07:30 | SICP 50psi SITP 50psi | | | |

NEWFIELD

Job Detail Summary Report

Well Name: Federal 4-30-9-16

| Time | End Time | Comment |
|------------------------------|--|--|
| 07:30 | 08:15 | BMW H/O Flushed Tbg w/ 40BW |
| ime 08:15 | End Time 10:30 | Comment POOH w/ 104- Jts B&D Everyother Collar (144-Jts Total), |
| ime 10:30 | End Time 11:00 | Contin POOH w/ 24- Jts, LD TAC- PSN- NC on Trl |
| ime 11:00 | End Time 12:00 | Comment Lunch Break |
| me 12:00 | 13:00 | Comment MU Slaugh Scrapper, TIH w/ 168- Jt |
| me 13:00 | End Time 13:30 | Comment PU 10- Jts (314'), RIH w/ Scrapper to 5579', LD 10-Jts |
| me 13:30 | End Time 14:00 | Comment POOH w/ 40-Jts, H/O Flushed Tbg w/ 40BW |
| me 14:00 | End Time 16:45 | Comment LD 1-Jt, POOH w/ 103- Jts B&D Everyother Collar |
| me 16:45 | End Time 17:15 | Comment LD Remaining 24- Jts on Trl, LD Scrapper |
| me 17:15 | End Time 17:45 | Comment MU WFT AS-1X PKR Assa., TiH w/ 30- Jts |
| me 17:45 | End Time 18:00 | Comment SWIFN |
| ne 18:00 | End Time 18:30 | Comment C/TrvI |
| /23/2014 12/23/2014 Cont | Activity Summary tinue TIH w/ PKR, PT Tbg | |
| me 05:30 | End Time 06:00 | Comment C/TravI |
| ne 06:00 | End Time 07:00 | Comment Safety Meeting |
| ne 07:00 | End Time 09:00 | Comment SICP 50psi, OWU, TiH w/ 114- Jts, 900: Drop S/Valv, H/O Pmped 20BW d/ Tbg, RiH |
| ne 09:00 | End Time 10:00 | Comment : Drop S/Valv, H/O Pmped 20BW d/ Tbg, RIH w/ S/Line to Seat S/Valv, |
| ne 10:00 | End Time 13:00 | Comment : MU Isolation T, 15BW to Fill Tbg, PT Tbg to 3000psi, Observ Pressure |
| ne 13:00 | End Time 13:30 | Comment Pressure Leveled Out, NO PRESSURE LOSS in 30Min, GOOD TBG TEST |
| ne 13:30 | End Time 14:30 | Comment : Retrieve S/Valv w/ 2" OS, RD Workfloor, ND BOPs |
| ne 14:30 | End Time 15:00 | Comment: XO 5K WH for 3K WH, MU WH Bonnet |
| ne 15:00 | End Time 16:00 | Comment H/O Pmpd 50BW Fresh w/ Multi-Chem PKR Fluids d/ Annulus, Circ @ 35BW |
| ne 16:00 | End Time 16:15 | Comment: Set WFT 5 1/2" Arrow Set PKR CE @ 4510' w/ 15000# of Tension, NU Injection Tree |
| ne 16:15 | End Time 17:00 | Comment: 5BW to Fill, Pressured Annulus to 1500psi, Allowed Gas to Surface |
| ne 17:00 | End Time 17:30 | Comment : PT Csg to 1550psi, Observ Pressure |
| ne | End Time | Comment |

www.newfield.com Page 2/3 Report Printed: 1/5/2015

NEWFIELD

Job Detail Summary Report

Well Name: Federal 4-30-9-16

| | | · | |
|-------------------|-----------------------------------|----------|--|
| Start Time | | End Time | Comment |
| | 18:00 | 18:30 | : 30psi Loss in 30Min SWIFHWE w/ 1470psi on CsgWILL CALL FOR MIT!! |
| Start Time | | End Time | Comment |
| | 18:30 | 19:00 | C/TravlMIT Preformed 12/26/14 w/ 1200psi on Csg GOOD TESTFINAL RIG REPORT |
| Report Start Date | Report End Date 24hr Activity Sum | mary | |
| 12/29/2014 | 12/29/2014 CONDUCT M | 1IT | |
| Start Time | | End Time | Comment |
| | 11:00 | | On 12/16/2014 Richard Powell with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 12/29/2014 the casing was pressured up to 1265 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. |
| | | | There was not a State representative available to witness the test. |

Sundry Number: 60197 API Well Number: 43013334700000

| | STATE OF UTAH | | FORM 9 |
|--|--|--------------------------------|--|
| ı | DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MININ | G | 5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-74391 |
| SUNDR | Y NOTICES AND REPORTS ON | I WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | posals to drill new wells, significantly dee reenter plugged wells, or to drill horizontal n for such proposals. | | 7.UNIT or CA AGREEMENT NAME: GMBU (GRRV) |
| 1. TYPE OF WELL Water Injection Well | | | 8. WELL NAME and NUMBER: FEDERAL 4-30-9-16 |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO | DMPANY | | 9. API NUMBER: 43013334700000 |
| 3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, | | ONE NUMBER: xt | 9. FIELD and POOL or WILDCAT: MONUMENT BUTTE |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0769 FNL 2034 FWL | | | COUNTY: DUCHESNE |
| QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENW Section: 3 | IIP, RANGE, MERIDIAN: 30 Township: 09.0S Range: 16.0E Meridian | n: S | STATE: UTAH |
| 11. CHECI | K APPROPRIATE BOXES TO INDICATE N | NATURE OF NOTICE, REPOR | T, OR OTHER DATA |
| TYPE OF SUBMISSION | | TYPE OF ACTION | |
| | ACIDIZE | ALTER CASING | CASING REPAIR |
| NOTICE OF INTENT Approximate date work will start: | CHANGE TO PREVIOUS PLANS | CHANGE TUBING | CHANGE WELL NAME |
| Approximate date work will start. | ✓ CHANGE WELL STATUS | COMMINGLE PRODUCING FORMATIONS | ✓ CONVERT WELL TYPE |
| SUBSEQUENT REPORT Date of Work Completion: | DEEPEN | FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| 1/28/2015 | OPERATOR CHANGE | PLUG AND ABANDON | PLUG BACK |
| SPUD REPORT | PRODUCTION START OR RESUME | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION |
| Date of Spud: | REPERFORATE CURRENT FORMATION | SIDETRACK TO REPAIR WELL | TEMPORARY ABANDON |
| | TUBING REPAIR | VENT OR FLARE | WATER DISPOSAL |
| DRILLING REPORT Report Date: | water shutoff | SI TA STATUS EXTENSION | APD EXTENSION |
| Report Date. | | | |
| | WILDCAT WELL DETERMINATION | OTHER | OTHER: |
| | completed operations. Clearly show all p rence well was put on injection 01/28/2015. | _ | Accepted by the Utah Division of Oil, Gas and Mining |
| | | | By: |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE | |
| Lucy Chavez-Naupoto | 435 646-4874 | Water Services Technician | |
| SIGNATURE N/A | | DATE 1/28/2015 | |



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-406

Operator: Newfield Production Company

Well: Federal 4-30-9-16

Location: Section 30, Township 9 South, Range 16 East

County: Duchesne

API No.: 43-013-33470

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 21, 2013.

2. Maximum Allowable Injection Pressure: 1,682 psig

3. Maximum Allowable Injection Rate: (restricted by pressure limitation)

Injection Interval: Green River Formation (3,763' – 5,869') 4.

5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

Associate Director

JR/MLR/is

cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal Jill Loyle, Newfield Production Company, Denver Newfield Production Company, Myton **Duchesne County** Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA Division Director

March 21, 2013

Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 4-30-9-16, Section 30, Township 9 South, Range 16 East,

SLBM, Duchesne County, Utah, API Well # 43-013-33470

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

- 1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
- 2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
- 3. A casing tubing pressure test shall be conducted prior to commencing injection.
- 4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
- The top of the injection interval shall be limited to a depth no higher than 3,763 feet in the Federal 4-30-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely

John Rogers

Associate Director

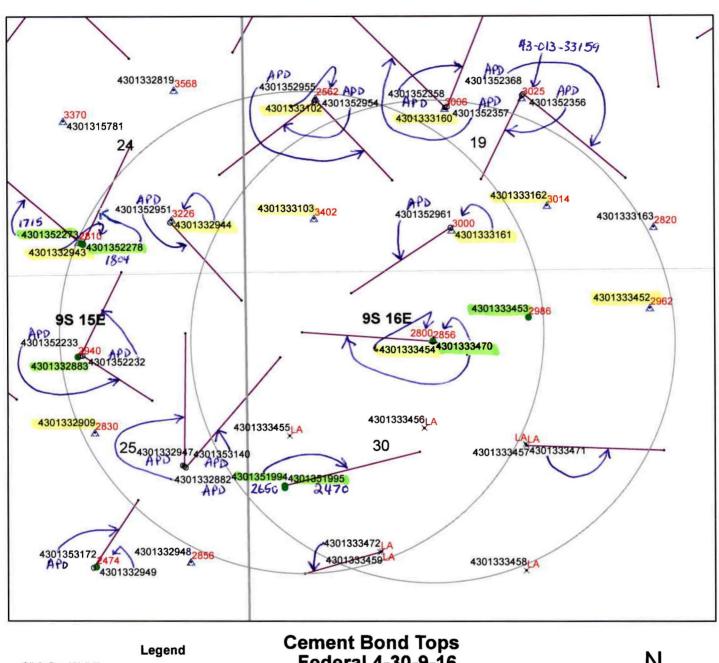
JR/MLR/is

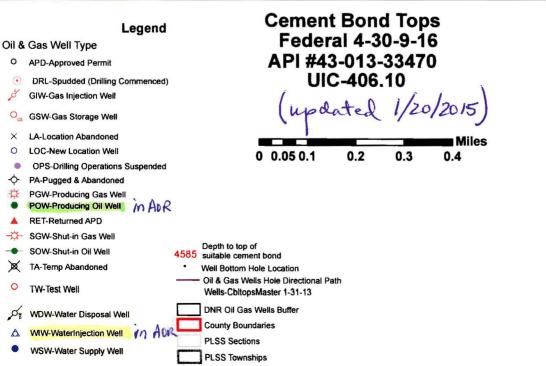
cc: Bruce Suchomel, Environmental Protection Agency Bureau of Land Management, Vernal **Duchesne County** Newfield Production Company, Myton

Well File

N:\O&G Reviewed Docs\ChronFile\UIC







DIVISION OF OIL, GAS AND MINING UNDERGROUND INJECTION CONTROL PROGRAM PERMIT STATEMENT OF BASIS

| Applicant: Newfield Production Company | Well: | Federal 4-30-9-16 |
|--|-------|-------------------|
| Location: 30/9S/16E | API: | 43-013-33470 |

Ownership Issues: The proposed well is located on BLM land and is within the Greater Monument Butte Unit. The well is directionally drilled, with a bottom hole location approximately 1,400 feet west-northwest of the surface location. The area of review (AOR) consists of the combined areas of two largely overlapping circles, each of a half-mile radius. One circle centers on the surface location, and the other centers on the bottom hole location. Lands in the AOR are administered by the BLM. The Federal Government is the mineral owner within the AOR. Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the AOR. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: Inasmuch as the well is directionally drilled, the measured depths are not equal to the true vertical depths. The measured total depth of the well is 5,965 feet versus a true vertical depth of 5,731 feet. The depths expressed here are in terms of measured depth. The proposed well has surface casing set at 350 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,958 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 2,856 feet. A 2 7/8 inch tubing with a packer is proposed at 4,830 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. At the time of this revision (1/20/2015), on the basis of surface locations, within the combined AOR, there are 6 producing wells and 10 injection wells. In addition, there are 2 approved surface locations inside the AOR for directional wells to be drilled to bottom hole locations outside the AOR and 2 surface locations outside the AOR for bottom hole locations inside the AOR. All of the wells have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2600 feet. Injection shall be limited to the interval between 3,763 feet and 5,869 feet (measured depth) in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-30-9-16 well is 0.77 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,682 psig. The requested maximum pressure is 1,682 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing

Federal 4-30-9-16 page 2

fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

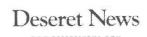
Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 2/27/2011 (revised 1/20/2015)

The Salt Lake Tribune

MEDIA ME



PROOF OF PUBLICATION

CUSTOMER'S COPY

| | RESS | ACCOUNT N | NUMBER | DATE |
|---|--|-----------------------|---|--|
| DIV OF OIL-GAS & MINING, | | 900140 | 2352 | 2/28/2013 |
| 1594 W NORTH TEMP #1210 | | | BEFORE THE DIV | I ISION OF OIL, GAS AND MINING IT OF NATURAL RESOURCES STATE OF UTAH E OF AGENCY ACTION AUSE NO. LHC-406 |
| P.O. BOX 145801 SALT LAKE CITY, UT 84114 | | | IN THE MATTER OF TH | E APPLICATION OF NEWFIELD PRO |
| ACCOU | NT NAME | | WELLS LOCATED IN SOUTH, RANGE 15 B | ECTIONS 23, AND 26, TOWNS: ST, AND SECTIONS 8, 9, 15, 17 NSHIP 9 SOUTH, RANGE 1.6 AH, AS CLASS II INJECTION WELLS |
| DIV OF OIL-G | | | THE STATE OF UTAH ABOVE ENTITLED MATT | TO ALL PERSONS INTERESTED IN |
| TELEPHONE | ADORDER# | INVOICE NUM | Notice is hereby given leg (the "Division") is proceeding to conside | that the Division of Oil, Gas and commencing an informal adjust or the application of Newfield Pr 17th Street Suite 2000, Derver |
| 8015385340 | 0000861529 | 1 | rado 80202, telepho approval of the folio Urah, for conversion to | that the Division of Oil, Got an commencing an informal adjust the application of Newfield P. 17th Street, Suite 2000, Durrier, no 303-893-0102, for administ wing wells located in Ductiesne C. Class II injection wells. |
| | EDULE | | Greater Monument Su Ashley Federal 10-2 23, Township 9 South | te Units 3 well located in NW/4 SE/4, 1 Ronge 15 East 6-9-15 well located in NW/4 |
| Stort 02/28/2012 | End 02/28/20 | 112 | Section 20, Township | Sooni' keude 13 zna |
| Start 02/28/2013 | REF. NO. | | tion 26, Township 9 S API 43-013-33604 Federal 10-8-9-16 | 9-15 well located in NW/4 NW/outh, Range 15 East well located in NW/4 SE/4, Secure 16 East |
| Cause - UIC-406 | | | Township 9 South, Rai | well located in NW/4 SW/4, Sec age 16 East |
| | PTION | WANTE LEVEL I | API 43-013-33969 Costle Peak Federal from 15, Township 9 5 API 43-013-30632 | 33-15 well located in NW/4 SE/ outh, Range 16 East |
| | A DESCRIPTION OF THE PERSON OF | NT OF NATURAL | 17, Township 9 South | , Range 16 East |
| FORE THE DIVISION OF OIL, GAS AND M | IZE | NT OF NATURAL | 21 Township 9 South | |
| 84 Lines | 2.00 | COLUMN | API 43-013-33144 Federal 4-30-9-16 Township 9 South, Ro API 43-013-33470 | well located in NE/4 NW/4, Sectings 16 East |
| TIMES | | RATE | The proceeding will Admin. R649-10, Ad | be conducted in accordance wininistrative Procedures. |
| | | | water injection. The | Green River Formation will be a maximum requested injection p termined based on fracture grad by Newfield Production Company. |
| 4 | -1 | | | |
| 4 MISC, CHARGES | A STATE OF THE PARTY OF THE PAR | AD CHARGES | Any person desiring | to object to the application or of |
| 190 | A CONTRACTOR A | AD CHARGES | Any person desiring | to object to the application or of |
| 199 | | AD CHARGES FOTAL COST | Any person desiring intervene in the pro- los of intervention lowing publication of cer for the process. P.O. Sox 145801, member (801) 538- vontion is received, once with the or rules. Protestants of | to object to the application or of seeding, most file a written profes with the Division within fifteen of this notice. The Division's Presiding is Brad Hill, Permitting Manual Laboratory, UT 84114-5801 340, If such a profess or notice a hearing will be solutional international administrative professional adm |
| 100 | | | Any person desiring intervene in the pro- los of intervention lowing publication of cer for the process. P.O. Sox 145801, member (801) 538- vontion is received, once with the or rules. Protestants of | to object to the application or of eeding, most file a written profes with the Ovision within fifteen different of this notice. The Division's Presiding is Brack Hill, Permitting Managir Lake City, UT 8414-580 (346), if such a protect or notice or hearing will be scheduled in remarkfored administrative producer interveners should be preparating how this matter affects. |
| MISC, CHARGES | | TOTAL COST 287.24 | Any person desiring intervene in the pro- tice of interventien towing publication of our for the process. P.O. Sex 145801, number (801) 538-vention is received, once with the chapter. Professions of demonstrate at the terests. | to object to the application or of seeding, most file a written protest with the Division within filteen do this notice. The Division's Presidenting its Brod HIII, Pennithing Mana Sall Late City, UT 84114-5801 or a fearing will be scheduled in remarkable of the protest or notice of a fearing will be scheduled in remarkable protest and for interveners should be prephending how this matter affects to of February, 2013. |

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-406 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY.

PUBLISHED ON

SIGNATURE

11

Start 02/28/2013

End 02/28/2013

VIRCINIA CRAFT
Notary Public, State of Utah
Commission # 581469
My Commission Expires

January 12, 2014

2/28/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

Send Payments to: Uintah Basin Standard 268 S 200 E Roosevelt, Utah 84066

Phone: 435-722-5131 Fax: 435-722-4140



EXPress www.vernal.com Invoice Number

invoice Date

42640

3/5/2013

Advertiser No.

Invoice Amount

Due Date

2080

80 | \$145.85

4/4/2013

DIVISION OF OIL GAS & MINING Rose Nolton 1594 W. N.TEMPLE STE 121 PO BOX 145801 SALT LAKE CITY, UT 84114-5801

1 1/2% fee will be charged to all past due balances.

Amount Enclosed

Please detach top portion and return with your payment

INVOICE

| Uintah Basin Standard | | DIVISION OF OIL GAS & MINING | | | No. 42640 | 3/5/2013 | |
|-----------------------|-----------|---|--|---------------------|-----------|------------|----------|
| Date | Order | Description | | Ad Size | SubTotal | Sales Tax | Amount |
| 3/5/2013 | 21150 UBS | UBS Legal Notice: Not of Agenc;y Action: Cause No. UIC Pub. March 5, 2013 | | | | \$145.85 | |
| | | | | | | Sub Total: | \$145.85 |
| | | | | Total Transactions: | 1 | Total: | \$145.85 |

SUMMARY

Advertiser No.

2080

Invoice No.

42640

1 1/2% fee will be charged to all past due balances.

Thank You for your business!

Thank you for advertising with us, we appreciate your business!

2250 RER GGUICARMIN GF.3 6131

AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for ______ consecutive issues, and that the first publication was on the ______ 5 day of ______ March _____, 20____ /3_, and that the last publication of such notice was in the issue of such newspaper dated the ______ 5 day of ______ March _____, 20____ /3_, and that said notice was published on Utahlegals. com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

' Publishe

Subscribed and sworn to before me on this

<u>5 day of March</u>, 20 13

by Kevin Ashby.

Notary Public



AGENCY ACTION CAUSE NO. UIC-406

BEFORE THE DI-VISION OF OIL, GAS AND MINING, DE-PARTMENT OF NAT-URAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICA-TION OF NEW-FIELD PRODUC-TION COMPANY FOR ADMINISTRA-TIVE APPROVAL CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWN-SHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJEC-TION WELLS.

THE STATE OF UTAH TO ALL PER-SONS INTERESTED IN THE ABOVE EN-TITLED MATTER

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East

API 43-013-31519 Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East

API 43-013-32905 Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East API 43-013-33604

API 43-013-33604 Federal 10-8-9-16 well located in NW/4 SE/4, Section 8, Township 9 South, Range 16 East

API 43-013-33059 Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East

API 43-013-33969 Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East

API 43-013-30632
West Point 6-179-16 well located in
SE/4 NW/4, Section
17, Township 9 South,
Range 16 East

API 43-013-32283 Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East

API.43-013-33160 Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South Range 16 East

API 43-013-33144 Federal 4-30-9-16 well located in NE/4 NW/4, Section 30 Township 9 South Range 16 East

API 43-013-33470
The proceeding will be conducted in accordance with Utal Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for wate injection. The maximum requested injection pressures and rate will be determined based on fracture gradient information sub mitted by Newfield Production Company

Any person desir ing to object to the application or oth erwise intervene in the proceeding, musfile a written protes or notice of intervention with the Division within fifteen day -1 arus

Notary Public



Notary Public **BONNIE PARRISH** Commission #653427
My Commission Expires February 23, 2016 State of Utah

injection wens. Greater Monument Butte Unit:

Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East

API 43-013-31519 Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East

API 43-013-32905 Ashley Federal 1-27-9-15 well lo-

ministrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801. Salt Lake City, UT84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests. Dated this 26th day

of February, 2013. STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Brad Hill **Permitting Manager** Published in the Uintah Basin Standard March 5, 2013.

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East API 43-013-31519

Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East API 43-013-32905

Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East API 43-013-33604

Federal 10-8-9-16 well located in NW/4 SE/4, Section 8, Township 9 South, Range 16 East API 43-013-33059

Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East API 43-013-33969

Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East API 43-013-30632

West Point 6-17-9-16 well located in SE/4 NW/4, Section 17, Township 9 South, Range 16 East API 43-013-32283

Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East API 43-013-33160

Federal 11-21-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East API 43-013-33144

Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East API 43-013-33470

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 26th day of February, 2013.

STATE OF UTAH

DIVISION OF OIL, GAS & MINING

Brad Hill

Permitting Manager

Newfield Production Company

ASHLEY FEDERAL 10-23, ASHLEY FEDERAL 12-26-9-15, ASHLEY FEDERAL 1-27-9-15, FEDERAL 10-8-9-16, FEDERAL 12-9-9-16, CASTLE PEAK FEDERAL 33-15, WEST POINT 6-17-9-16, FEDERAL 11-19-9-16, FEDERAL 11-21-9-16, FEDERAL 4-30-9-16

Cause No. UIC-406

Publication Notices were sent to the following:

Newfield Production Company 1001 17th Street, Suite 2000 Denver, CO 80202

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066 via e-mail legals@ubstandard.com

Salt Lake Tribune P O Box 45838 Salt Lake City, UT 84145 via e-mail naclegal@mediaoneutah.com

Vernal Office Bureau of Land Management 170 South 500 East Vernal, UT 84078 SITLA 675 E 500 S Ste 500 Salt Lake City, UT 84102-2818

Duchesne County Planning P O Box 317 Duchesne, UT 84021-0317

Bruce Suchomel US EPA Region 8 MS 8P-W-GW 1595 Wynkoop Street Denver, CO 80202-1129

Newfield Production Company Rt 3 Box 3630 Myton, UT 84052

Jan Eweet



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

February 26, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard 268 South 200 East Roosevelt, UT 84066

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-406

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: <u>jsweet@utah.gov</u>.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely

Jean Sweet

Executive Secretary

Enclosure





Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-406

1 message

Cindy Kleinfelter <classifieds@ubstandard.com>

Tue, Feb 26, 2013 at 3:16 PM

To: Jean Sweet <jsweet@utah.gov>

On 2/26/2013 1:12 PM, Jean Sweet wrote:

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please <u>notify me via e-mail of the date it will be published</u>. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet Executive Secretary Utah Division of Oil, Gas and Mining 801-538-5329

It will be published March 5, 2013. Thank you Cindy



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

February 26, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune P. O. Box 45838 Salt Lake City, UT 84145

Subject: Notice of Agency Action - Newfield Production Company Cause No. UIC-406

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for account #9001402352 to:

Division of Oil, Gas and Mining PO Box 145801 Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Executive Secretary

Enclosure





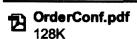
Jean Sweet <jsweet@utah.gov>

UIC - 406 - Legal Notice

1 message

Fultz, Mark <naclegal@mediaoneutah.com>
Reply-To: "Fultz, Mark" <naclegal@mediaoneutah.com>
To: jsweet@utah.gov

AD# 861529 Run Trib/DNews - 2/28 Cost \$287.24 Thank you Mark



Tue, Feb 26, 2013 at 3:31 PM







Order Confirmation for Ad #0000861529-01

Client

DIV OF OIL-GAS & MINING

Payor Customer

DIV OF OIL-GAS & MINING

Client Phone

801-538-5340

Payor Phone

801-538-5340

9001402352 Account#

1594 W NORTH TEMP #1210, P.O. BOX 145801 Payor Address

Payor Account 9001402352

Address

SALT LAKE CITY, UT 84114 USA

1594 W NORTH TEMP #1210, P.O. BOX

SALT LAKE CITY, UT 84114

801-359-3940 Fax

juliecarter@utah.gov

Ordered By

Jean.

Acct. Exec

mfultz

Total Amount

\$287.24

Payment Amt

\$0.00

Tear Sheets

Proofs

Affidavits

Amount Due

\$287.24

0

n

1

Payment Method

Cause - UIC-406 PO Number

Public Meeting/Hear-ing Notices

Public Meeting/Hear-ing Notices

Public Meeting/Hear-ing Notices

1

Confirmation Notes:

Text:

EMail

Jean

Ad Type Legal Liner Ad Size 2.0 X 84 Li Color

<NONE>

Position

Position

Position

utahlegals.com

Product

Scheduled Date(s):

Product

Placement

Deseret News::

Scheduled Date(s):

Salt Lake Tribune::

Product

sltrib.com::

Scheduled Date(s):

Product

utahlegals.com::

Placement

Scheduled Date(s):

Placement

Legal Liner Notice - 0998

2/28/2013

Legal Liner Notice - 0998

2/28/2013

Placement Legal Liner Notice - 0998

2/28/2013

utahlegals.com

2/28/2013

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MIN DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-406

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 23, AND 26, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 8, 9, 15, 17, 19, 21, AND 30, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commending an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

approval or the following wells located in Ducheshe County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Ashley Federal 10-23 well located in NW/4 SE/4, Section 23, Township 9 South, Range 15 East
API 43-013-31519
Ashley Federal 12-26-9-15 well located in NW/4 SW/4, Section 26, Township 9 South, Range 15 East
API 43-013-32905
Ashley Federal 1-27-9-15 well located in NW/4 NW/4, Section 26, Township 9 South, Range 15 East
API 43-013-33064
Federal 10-8-9-16 well located in NW/4 SE/4, Section 8, Township 9 South, Range 16 East
API 43-013-33059
Federal 12-9-9-16 well located in NW/4 SW/4, Section 9, Township 9 South, Range 16 East
API 43-013-33059
Castle Peak Federal 33-15 well located in NW/4 SE/4, Section 15, Township 9 South, Range 16 East
API 43-013-30652
West Point 6-17-9-16 well located in SE/4 NW/4, Section 17, Township 9 South, Range 16 East
API 43-013-33140
Federal 11-19-9-16 well located in NE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33144
Federal 4-30-3-31 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33144
Federal 4-30-9-16 well located in NE/4 SW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33144
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East
API 43-013-33140
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East
API 43-013-33140
Federal 4-30-9-16 well located in NE/4 NW/4, Section 30, Township 9 South, Range 16 East
API 43-013-33140 The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by NewHeld Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at 9.0. Box 145801, Saft Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in occurdance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate of the hearing how this matter affects their interests.

Dated this 26th day of February, 2013.

STATE OF UTAH DIVISION OF OIL, GAS & MINING /s/ Brad Hill Permitting Manager 861 529

UPAXLP

2/26/2013 3:31:30PM



Newfield Exploration Company

1001 17th Street | Suite 2000 Denver, Colorado 80202 PH 303-893-0102 | FAX 303-893-0103

February 8, 2013

Mr. Mark Reinbold State of Utah Division of Oil, Gas and Mining 1594 W North Temple Salt Lake City, Utah 84114-5801

RE:

Permit Application for Water Injection Well

Federal #4-30-9-16

Monument Butte Field, Lease #UTU-74391

Section 30-Township 9S-Range 16E

Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #4-30-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg

Environmental Manager

RECEIVED FEB 1 2 2013

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL FEDERAL #4-30-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #UTU-74391

FEBRUARY 8, 2013

TABLE OF CONTENTS

LETTER OF INTENT **COVER PAGE TABLE OF CONTENTS** UIC FORM 1 – APPLICATION FOR INJECTION WELL WELLBORE DIAGRAM OF PROPOSED INJECTION WORK PROCEDURE FOR INJECTION CONVERSION **COMPLETED RULE R615-5-1 QUESTIONNAIRE COMPLETED RULE R615-5-2 QUESTIONNAIRE** ATTACHMENT A ONE-HALF MILE RADIUS MAP ATTACHMENT A-1 WELL LOCATION PLAT ATTACHMENT B LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS ATTACHMENT C CERTIFICATION FOR SURFACE OWNER NOTIFICATION WELLBORE DIAGRAM - FEDERAL #4-30-9-16 ATTACHMENT E WELLBORE DIAGRAM - FEDERAL #1-30-9-16 **ATTACHMENT E-1 ATTACHMENT E-2** WELLBORE DIAGRAM - FEDERAL #2-30-9-16 **ATTACHMENT E-3** WELLBORE DIAGRAM – FEDERAL #11-19-9-16 WELLBORE DIAGRAM - FEDERAL #13-19-9-16 **ATTACHMENT E-4** WELLBORE DIAGRAM - FEDERAL #14-19-9-16 **ATTACHMENT E-5 ATTACHMENT E-6** WELLBORE DIAGRAM – FEDERAL #15-19-9-16 **ATTACHMENT E-7** WELLBORE DIAGRAM - FEDERAL #16-19-9-16 ATTACHMENT F WATER ANALYSIS ATTACHMENT G FRACTURE GRADIENT CALCULATIONS **ATTACHMENT G-1** FRACTURE REPORTS DATED - 9/17/10 - 9/24/10 ATTACHMENT H WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON **ATTACHMENT H-1** WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

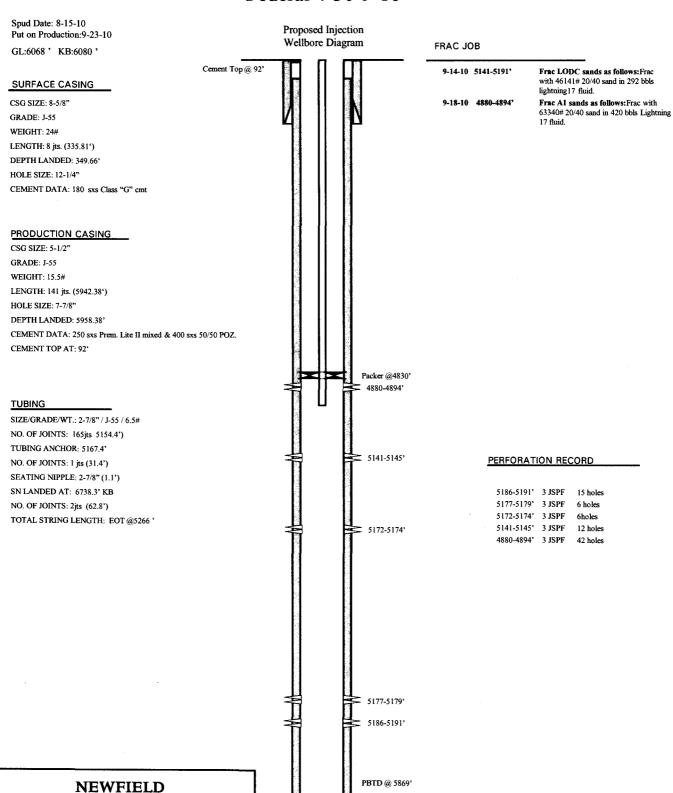
APPLICATION FOR INJECTION WELL - UIC FORM 1

| OPERATOR | Newfield Production Company | | |
|----------|------------------------------|--|--|
| ADDRESS | 1001 17th Street, Suite 2000 | | |
| | Denver, Colorado 80202 | | |
| | | | |

| Well Name and numl | ber: | Federal #4 | <u>-30-9-16</u> | | | | | | |
|--|---|-------------------------------|-----------------|------------------------------------|-----------------------------|-------------------|--------------|----------|----------|
| Field or Unit name: | Monument B | utte (Green | River) | | | | Lease No. | UTU-7439 |)1 |
| Well Location: QQ | NENW | section | 30 | _ township | <u>9</u> S | _range | 16E | county | Duchesne |
| Is this application for | expansion o | f an existing | g project? . | | | Yes [X] |] No [] | | |
| Will the proposed we | ell be used for | : | Disposal? | d Recovery? | | Yes [] | No [X] | | |
| Is this application for If this application is for has a casing test bound Date of test: API number: 43-0 | or an existing een performe | well, | | | | | | | |
| Proposed injection in Proposed maximum Proposed injection zo mile of the well. | injection: | from rate [x] oil, [] (| | to pressure · [] fresh wa | 5869 1682 ater within | _ _psig 1/2 | | | |
| | IMPOR [*] | ANT: | | l information ny this form. | as require | d by R615 | 5-5-2 should | | |
| List of Attachments: | | Attachme | nts "A" thro | ough "H-1" | | | | | |
| | | | | | | | | | |
| Title Envi | ort is true and Sundberg ronmental Ma) 893-0102 | · | o the best | of my knowle Signature. Date | | 13 | | | |
| (State use only) Application approved Approval Date | d by | | | | | _Title | | | |

Comments:

Federal 4-30-9-16



TD @ 5965'

Federal 4-30-9-16
769'FNL & 2034'FWL (NE/NW)
Section 30, T9S, R16
Duchesne Co, Utah
API # 43-013-33470; Lease # UTU-74391

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
- 3. Test casing and packer.
- 4. Rig down and move out.

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS RULE R615-5-1

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:
 - 2.1 The name and address of the operator of the project.

Newfield Production Company 1001 17th Street, Suite 2000 Denver, Colorado 80202

A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #4-30-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #4-30-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3763' - 5869'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3438' and the TD is at 5965'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #4-30-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-74391) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS SECTION V – RULE R615-5-2

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24# surface casing run to 350' KB, and 5-1/2", 15.5# casing run from surface to 5958' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1682 psig.

2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #4-30-9-16, for existing perforations (4880' - 5191') calculates at 0.77 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1682 psig. We may add additional perforations between 3438' and 5965'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #4-30-9-16, the proposed injection zone (3763' - 5869') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-7.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

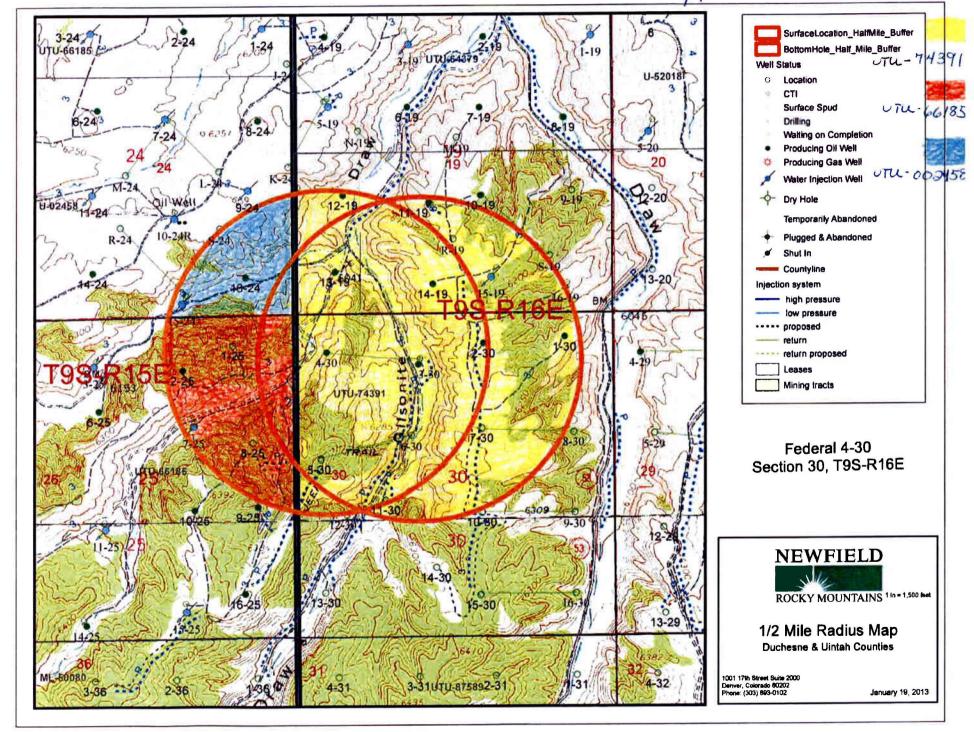
An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.

Attachment A



NEWFIELD PRODUCTION COMPANY T9S, R16E, S.L.B.&M. \$89'56'E - 78.50 (G.L.O.) 2642.42' (Measured) WELL LOCATION, 9 MILE 4-30-9-16, S89'56'E (Basis of Bearings) S89'51'17"E - 2539.68' (Meas.) LOCATED AS SHOWN IN THE NE 1/4 NW 1910 1910 1910 1/4 OF SECTION 30, T9S, R16E, N85'30'48"W Brass Cap Brass Cap Brass Cap 427.74 S.L.B.&M. DUCHESNE COUNTY, UTAH. 610' 2034 DRILLING LOT 1 WINDOW BAR SCALE LOT 2 (C.L.O.) Proportioned (Not Set) NORTH 1910 Brass Cap WELL LOCATION: 2643.09' (Meas., 9 MILE 4-30-9-16 LOT 3 ELEV. UNGRADED GROUND = 6068.0' THIS IS TO CERTIFY THAT PREPARED FROM FIELD NO. THE SAME ARE TRUE AND SCREET TO MY KNOWLEDGE AND SELIES NO.189377 NO0004'28"W 7.50,70.00N LOT 4 1910 Brass Cap Brass Cap S89'52'42"E - 2547.31' (Meas.) S89°52'49"E - 2645.82' (Meas.) 1910 TRI STATE LAND SURVEYING & CONSULTING Brass Cap S89'57'E - 78.61 (G.L.O.) 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-25019 MILE 4-30-9-16 DATE SURVEYED: SURVEYED BY: C.M. = SECTION CORNERS LOCATED (Surface Location) NAD 83 09-08-06 LATITUDE = 40'00'25.32"DATE DRAWN: DRAWN BY: T.C.J. BASIS OF ELEV: LONGITUDE = 110° 09' 49.95" 09-19-06 U.S.G.S. 7-1/2 min QUAD (MYTON SW) REVISED: SCALE: 1" = 1000'

EXHIBIT B

| # | Legal Description | Lessor & Expiration | Lessee & Operating Rights | Surface Owner |
|---|---------------------------------------|---------------------|-----------------------------|---------------|
| 1 | T9S-R16E SLM | USA | Newfield Production Company | USA |
| | Section 19: E2SW, SE, LOTS 3, 4 | UTU-74391 | Newfield RMI LLC | |
| | Section 20: S2 | HBP | ABO Petroleum Corp | |
| | Section 29: All | | MYCO Industries Inc | |
| | Section 30: All | | OXY Y-1 Company | |
| | | | Yates Petroleum Corp | |
| 2 | T9S-R15E SLM | USA | Newfield Production Company | USA |
| | Section 22: E2SW, LOTS 2, 3, 4 | UTU-66185 | Newfield RMI LLC | |
| | Section 23: NENE, W2E2, S2NW, E2SW | НВР | | |
| | Section 24: N2N2 | | | |
| | Section 25: All | | | |
| | Section 26: NE, NENW, S2NW, S2 | | | |
| | Section 27: S2NE, E2NW, SE, LOTS 1, 2 | | | |
| 3 | T9S-R15E SLM | USA | Newfield Production Company | USA |
| | Section 23: SENE, W2SW, NESE | UTU-002458 | Newfield RMI LLC | |
| | Section 24: S2N2, S2 | НВР | | |

Federal 4-30 Page 1 of 1

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

| RE: Application for Approval of Class II Injection Well Federal #4-30-9-16 | |
|---|--|
| I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well. | |
| Signed: Newfield Production Company Eric Sundberg Environmental Manager | |
| Sworn to and subscribed before me this 8th day of 7ebray, 2013. | |
| Notary Public in and for the State of Colorado: 4 Bul | |
| My Commission Expires: /2/31/15 | |

LYDIA BIONDO Notary Public State of Colorado

Federal 4-30-9-16

Spud Date: 8-15-10 Put on Production:9-23-10 GL:6068 ' KB:6080 '

SURFACE CASING

Wellbore Diagram

Cement Top @ 92'

FRAC JOB

9-14-10 5141-5191'

Frac LODC sands as follows: Frac with 46141# 20/40 sand in 292 bbls

lightning 17 fluid. 9-18-10 4880-4894

PERFORATION RECORD

15 holes

6 holes

6holes

12 holes

42 holes

5186-5191' 3 JSPF

5177-5179' 3 JSPF

5172-5174' 3 JSPF

5141-5145' 3 JSPF

4880-4894' 3 JSPF

Frac A1 sands as follows: Frac with 63340# 20/40 sand in 420 bbls Lightning 17 fluid.

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24# LENGTH: 8 jts. (335.81') DEPTH LANDED: 349.66 HOLE SIZE: 12-1/4"

CEMENT DATA: 180 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: I-55 WEIGHT: 15.5#

LENGTH: 141 jts. (5942.38') HOLE SIZE: 7-7/8" DEPTH LANDED: 5958.38'

CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 92°

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 165jts 5154,4') TUBING ANCHOR: 5167.4' NO. OF JOINTS: 1 its (31.4') SEATING NIPPLE: 2-7/8" (1.1') SN LANDED AT: 6738.3' KB NO. OF JOINTS: 2jts (62.8') TOTAL STRING LENGTH: EOT @5266 '

SUCKER RODS

POLISHED ROD: 1-1/2" x 30"

SUCKER RODS: 202-4 per guided rods, 4-11/2" weight bars

PUMP SIZE: 2 1/2 x 1 3/4' x 24' RHAC

STROKE LENGTH:144 PUMP SPEED: SPM 5

5177-5179

SN @ 5202' EOT @5266 '

PBTD @ 5869*

5186-5191'

Anchor @ 5167'

4880-4894

= 5141-5145'

5172-5174°

TD @ 5965'

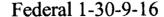
NEWFIELD

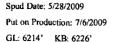
Federal 4-30-9-16 769'FNL & 2034'FWL (NE/NW) Section 30, T9S, R16 Duchesne Co, Utah

API # 43-013-33470; Lease # UTU-74391

Sundry Number: 47302 API Well Number: 43013334520000

tachment E-1





Injection Wellbore Diagram

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 7 jts (269') DEPTH LANDED: 320' KB HOLE SIZE: 12-1/4"

SURFACE CASING

CEMENT DATA: 160 sx class 'g' cmt

Cement top @ 72' Casing Shoe @ 320'

FRAC JOB 07-07-09 5184-5194* Frac LODC sands as follows:

Frac with 45269#' 20/40 sand in 289 bbls of Lightning 17 fluid

07-07-09 4908-4927 Frae Al sands as follows: Frac with 100700# 20/40 sand in 596 bbls of Lightning 17 fluid.

07-07-09 4663-4677 Frac C sands as follows: Frac with 55268# 20/40 sand in 343 bbls of Lightning 17 fluid.

07-07-09 4544-4550 Frac DI sands as follows: 14925# 20/40 sand in 244 total bbls of fluid inc Lightning 17 fluid.

01/22/14 Convert to Injection Well 01/24/14 Conversion MIT Finalized - update tbg

PRODUCTION CASING

CSG SIZE: 5-1/2' GRADE: J-55 WEIGHT: 15 5# LENGTH: 140 jts (5791') HOLE SIZE: 7-7/8" DEPTH LANDED: 5843.37

CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz

CEMENT TOP AT: 72'

TUBING

SIZE/GRADE/WT .: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 144 jts (4464.8') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 4476 8' KB ON/OFF TOOL AT: 4477 9 ARROW #1 PACKER CE AT: 4483.1 XO 2-3/8 x 2-7/8 J-55 AT: 4487 3' TBG PUP 2-3/8 J-55 AT: 4487.7 X/N NIPPLE AT: 4491.9' TOTAL STRING LENGTH: EOT @ 4493 4'

SN @ 4477' On Off Tool @ 4478

Packer @ 4483

X/N Nipple @ 4492' EOT @ 4494' 4544-4550 4663-4667 4673-4677 4908-4914' 4924-4927 5184-5194

PBTD @ 5803*

TD @ 5865'

PERFORATION RECORD

5184-5194' 3 JSPF 30 holes 4924-4927' 3 JSPF 9 holes 4908-4914' 3 JSPF 18 holes 4673-4677 3 JSPF 12 holes 4663-4667' 3 JSPF 12 holes 4544-4550' 3 JSPF 18 holes



Federal 1-30-9-16

419' FNL & 785' FEL NE/NE Section 30-T9S-R16E Duchesne Co. Utah API # 43-013-33452; Lease # UTU-74391

LCN 01/27/14

ATTACHMENT E-2

Federal 2-30-9-16

Spud Date: 6/8/2009 Put on Production: 7/10/2009 GL: 6238' KB: 6250'

Wellbore Diagram

Cement top @ 54

SN @ 5524'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (269')
DEPTH LANDED: 317' KB
HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sx class 'G' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15.5# LENGTH: 148 jts (5812') DEPTH LANDED: 5862' HOLE SIZE: 7-7/8"

CEMENT DATA: 275 sx Prem. Lite and 400 sx 50/50 poz

CEMENT TOP AT: 54'

SIZE/GRADE/WT.: 2-7/8" / J-55

TUBING

NO. OF JOINTS: 174 jts (5477')
TUBING ANCHOR: 5489' KB
NO. OF JOINTS: 1 jt (31.5')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5524' KB
NO. OF JOINTS: 2 jts (63.3')
TOTAL STRING LENGTH: EOT @ 5589'

SUCKER RODS

POLISHED ROD: 1 1/2" x 26' polished rod

SUCKER RODS: 1 – 2' x ¼", 1 – 4' x ¼", 1 – 6' x ¾" pony rods, 100- ½" guided rods, 94 - ¾" sucker rods, 2- ¾" guided rods, 6 - 1 ½" weight rods

PUMP SIZE: 2 1/2" x 1 1/2" x 20' RHAC

STROKE LENGTH: 86 PUMP SPEED - SPM: 5

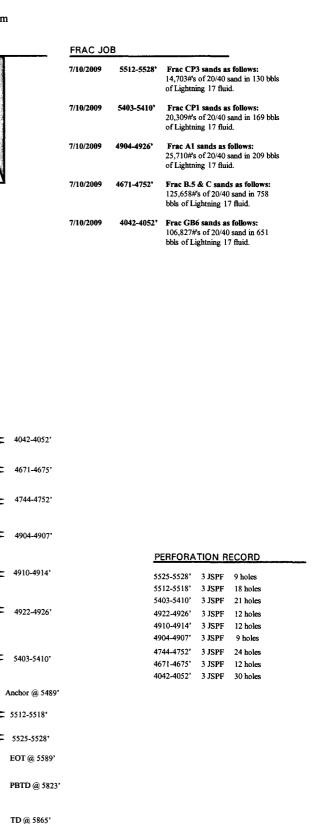
NEWFIELD

Federal 2-30-9-16

517' FNL & 2110' FEL NW/NE Section 30-T9S-R16E

Duchesne Co, Utah

API # 43-013-33453; Lease # UTU-74391



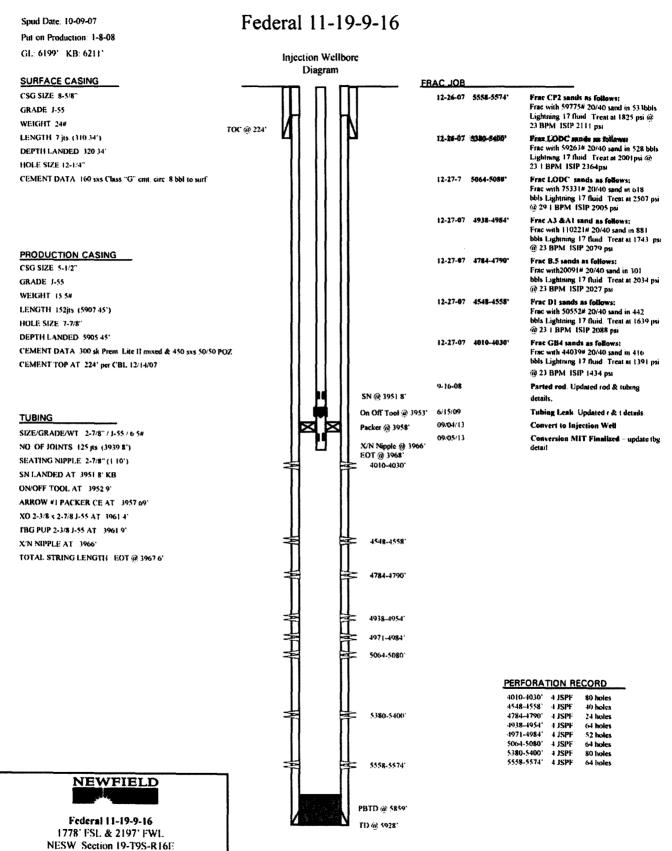
Sundry Number: 42577 API Well Number: 43013331600000

Duchesne Co. Utah

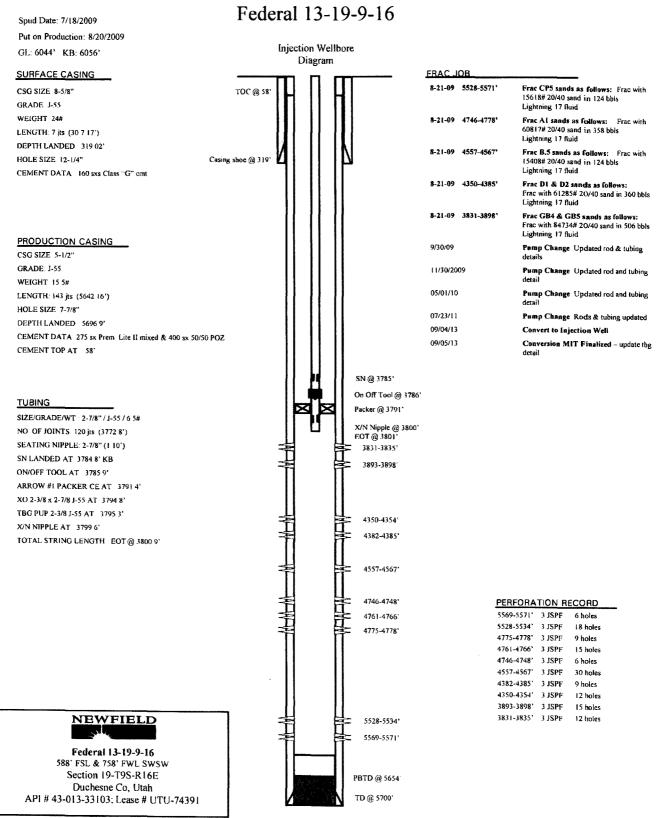
API #43-013-33160; Lease #UTU-74391

Attachment E-3

LCN 09/11/13



Sundry Number: 42576 API Well Number: 43013331030000 Attachment E-4



Attachment E-5



Schematic

43-013-33161

Well Name: Federal 14-19-9-16 API/UWI Well RC 43013331610000 500159193 State/Province Utah Surface Legal Location 19-9S-16E Field Name GMBU CTB3 DUCHESNE Original KB Elevation (ft) 6,257 Rig Release Date 2/2/2007 On Production Date Ground Elevation (ft) 6,245 Spud Date Total Depth All (TVD) (ftKB) PBTD (All) (ftKB) Original Hole - 5,955.5 1/23/2007 2/27/2007

 Most Recent Job
 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Production / Workover
 Conversion
 Basic
 3/19/2014
 4/1/2014

| Production / V | Vorkover | Con | version | Basic | | 3/19/2014 | 4/1/2014 |
|----------------|---------------|----------|---------------|------------------------|--------------------|--|-------------------------------|
| TD: 6,000. | 0 | | | Vertical - Original Ho | le, 1/20/2015 1:02 | 2:45 PM | |
| MD (ftKB) | TVD (ftKB) | Incl (°) | DLS DLS (° | | Vertic | cal schematic (actual) | |
| 12.1 | | | | 1000000 T | THE WARRANT | | |
| 136.2 | | | | | | | |
| 319.2 | | | | | | | |
| 319.9 | | | | | | -1; Surface; 8 5/8 in; 8.097 in; 1 -2-1; Tubing; 2 7/8; 2,441; 12-4 | |
| 4,726.4 | | | | | | -2-2; Pump Seating Nipple; 2 7 | /8; 2.441; 4,726-4,728; 1.10 |
| 4,727.7 | | | | | ? | -2-3; On-Off Tool; 4.52; 1.875; | 4,728-4,729; 1.45 |
| 4,729.0 | | | | | | —2-4; X Seal Nipple; 2 7/8; 2.27 | 0; 4,729-4,729; 0.33 |
| 4,729.3 | | | | | | | |
| 4,736.2 | | | | | | -2-6; Cross Over; 3.64; 1.991; 4 | 4,736-4,737; 0.51 |
| 4,736.9 | | | | | | -2-7; Tubing Pup Joint; 2 3/8; 1 | .991; 4,737-4,741; 4.10 |
| 4,740.8 | | | | | | 2-8; XN Profile Nipple; 2 3/8; 1 | .875; 4,741-4,742; 1.22 |
| 4,742 1 | | | | | | —2-9; Wireline Guide; 3 1/8; 1.9 | 91; 4,742-4,743; 0.40 |
| 4,742.5 | | | | | | | |
| 4,792.0 | | | | \$5500 P | 100000 V | Perforated; 4,780-4,792; 2/21/ | 2007 |
| 4,842.8 | | | 10 | | | | |
| 4,852.0 | | | | \$2000 P | MANSS T | Perforated; 4,843-4,852; 2/21/ | 2007 |
| 4,976.0 | | | | | | | |
| 4,988.8 | | | | 3886 2808 | 建筑 | Perforated; 4,976-4,989; 2/21/ | 2007 |
| 5,452.1 | | | | | | | |
| 5,460.0 | | | | | Total I | Perforated; 5,452-5,460; 2/17/ | 2007 |
| 5,955.4 | | | | | | | |
| 5,956.0 | | | | | | | |
| 5,990.2 | | | | | | | |
| 5,991.5 | | | | | | | |
| 5,992.1 | | | | 4 | | 2; Production; 5 1/2 in; 4.950 i | n; 12-5,992 ftKB; 5,979.98 ft |
| 6,000.0 | | | | | | | |
| MONON POWER | ald acm | | | | | | |
| www.newfi | eiu.com | | | | Page 1/1 | | Report Printed: 1/20/2015 |

ATTACHMENT E-6

FEDERAL 15-19-9-16

Spud Date: 10/29/07 Put on Production: 02/07/08

GL:6218' KB:6230'

Injection Wellbore Diagram

Diagram **SURFACE CASING ERAC JOB** CSG SIZE: 8-5/8" Frac CP1 sands as follows: TOC @ 166' 02/01/08 5424-5434* 19731# 20/40 sand in 327 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 1909 psi WEIGHT: 24# w/avg rate of 15.2 BPM. ISIP 2009 psi. 02/01/08 5180-51913 Frac LODC sands as follows: LENGTH: 7 jts. (312.36') Casing Shoe @ 325' 29863#20/40 sand in 404 bbl Lightning 17 DEPTH LANDED: 324.84' KB frac fluid. Treated@ avg press of 2361 psi w/avg rate of 22.1 BPM. ISIP 2460 psi. HOLE SIZE:12-1/4" 02/01/08 4925-49333 Frac A1 sands as follows: CEMENT DATA:1- 160, sxs Class "G" cmt, est 5 bbls cmt to surf. 15194# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2440 psi w/avg rate of 21.6 BPM. ISIP 2237 psi. 02/01/08 4753-47603 Frac B.5 sands as follows: 25716# 20/40 sand in 345 bbls Lightning 17 frac fluid. Treated @ avg press of 2072 psi w/avg rate of 22.0 BPM. ISIP 2020 psi. PRODUCTION CASING 02/01/08 4539-4553* Frac D1 sands as follows: 46601# 20/40 sand in 439 bbls Lightning 17 CSG SIZE: 5-1/2" frac fluid. Treated @ avg press of 1712 psi w/avg rate of 22.0 BPM. ISIP 1930 psi. GRADE: J-55 WEIGHT: 15.5# 10/2/09 Tubing Leak. Updated rod & tubing detials. LENGTH: 136 jts. (5854.09') 06/28/11 Parted Rods. Rods & tubing updated. DEPTH LANDED: 5867.67' KB 05/29/12 4602-4626 Frac D3 & D2 sands as follows: 18461#20/40 sand in 292 bbls Lightning 17 HOLE SIZE: 7-7/8" CEMENT DATA: 325 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ. 05/30/12 Convert to Injection Well 06/01/12 Conversion MIT Finalized - update tbg **TUBING** SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 142 jts (4459.0') SEATING NIPPLE; 2-7/8" (1.10') SN LANDED AT: 4480.8' KB CE @ 4475.61' TOTAL STRING LENGTH: EOT @ 4482.' KB Packer @ 4476 EOT @ 4482' PERFORATION RECORD 4539-4553 5424-5434' 4 JSPF 40 holes 5180-5191' 4 JSPF 44 holes 4602-4605 4925-4933' 4 JSPF 32 holes 4626-4628' 4753-4760' 4 JSPF 28 holes 4539-4553' 4 JSPF 56 holes 4753-4760' 5-29-12 4626-4628' 3 JSPF 6 holes 5-29-12 4602-4605' 3 JSPF 4925-4933' 5180-5191' 5424-5434'



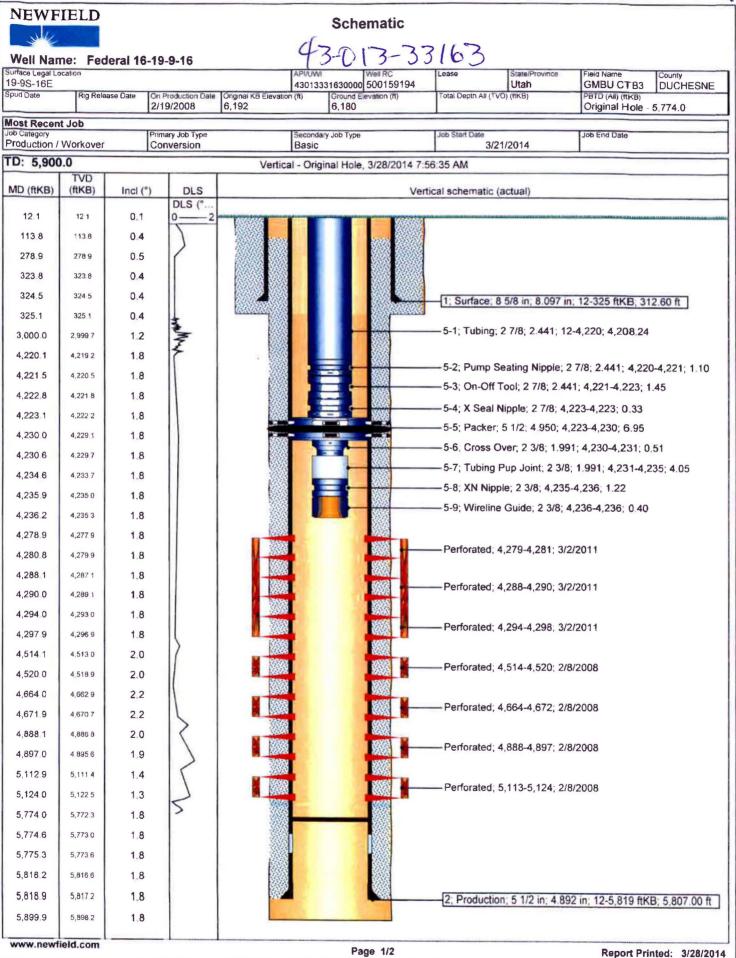
FEDERAL 15-19-9-16

711' FSL & 1888' FEL SW/SE Section 19-T9S-R16E Duchesne Co, Utah PBTD @ 5830'

TD @ 5891'

Sundry Number: 49330 API Well Number: 43013331630000

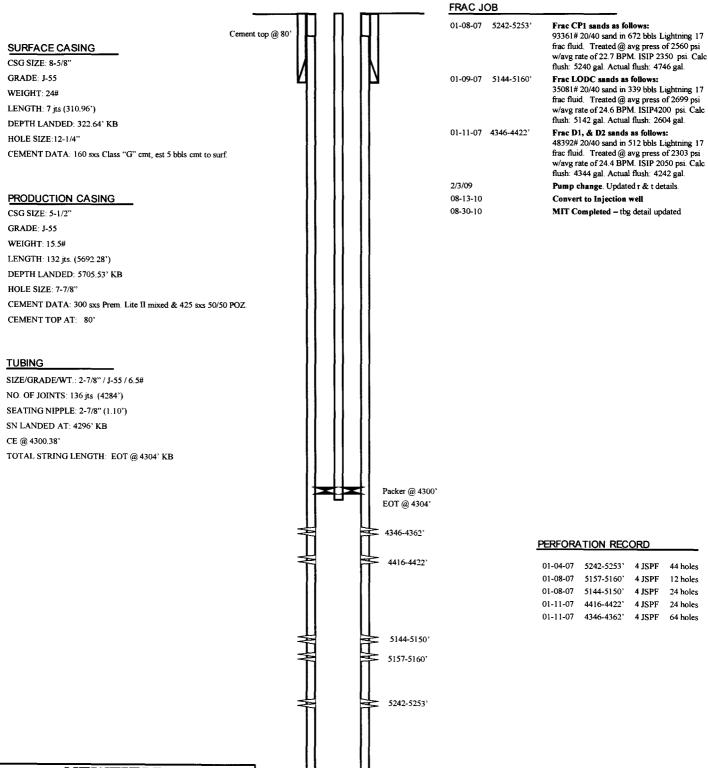
Attachment E-7



Ashley Federal 7-25-9-15

Spud Date: 10-3-06 Put on Production: 1-22-07 GL: 6183' KB: 6195'

Injection Wellbore Diagram



PBTD @ 5650'

TD @ 5746'

Ashley Federal 7-25-9-15

1733' FNL & 1658' FEL SW/NE Section 25-T9S-R15E Duchesne Co, Utah

API # 43-013-32909; Lease # UTU-66185

44 holes

12 holes

24 holes

24 holes

64 holes

Ashley Federal 2-25-9-15

Spud Date: 10/2/2006 Initial Production: BOPD. Put on Production: 12/01/06 Wellbore Diagram MCFD. BWPD GL: 6285' KB: 6297' SURFACE CASING FRAC JOB CSG SIZE: 8-5/8' 11/20/06 5368-5385' Frac CP1 sands as follows: 75,582# 20/40 sand in 591 bbls Lightning 17 GRADE: J-55 frac fluid. Treated @ avg press of 2013 psi w/avg rate of 25.1 BPM. ISIP 2130 psi. Calc WEIGHT: 24# flush: 5366 gal. Actual flush: 4860 gal. LENGTH: 7 jts. (310.21') Cement Top @ 54 DEPTH LANDED: 322,64° KB 11/20/06 5098-51063 Frac LODC sands as follows: 35,023# 20/40 sand in 405 bbls Lightning 17 HOLE SIZE:12-1/4" frac fluid. Treated @ avg press of 2560 psi w/avg rate of 24.6 BPM. ISIP 2660 psi. Calc CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf. flush: 5096 gal. Actual flush: 4591 gal. 11/20/06 4529-4540 Frac D2 sands as follows: 59,760# 20/40 sand in 479 bbls Lightning 17 frac fluid. Treated @ avg press of 1955 psi w/avg rate of 24.9 BPM. ISIP 2240 psi. Calc flush: 4527 gal. Actual flush: 4035 gal. 11/20/06 4403-4410 Frac DS3 sands as follows: 19,609# 20/40 sand in 291 bbls Lightning 17 PRODUCTION CASING frac fluid. Treated @ avg press of 2285 psi CSG SIZE: 5-1/2" w/avg rate of 24.9 BPM. ISIP 2250 psi. Calc flush: 4401 gal. Actual flush: 3940 gal. GRADE: J-55 11/20/06 4252-42623 Frac PB11 sands as follows: WEIGHT: 15.5# 40,121# 20/40 sand in 384 bbls Lightning 17 frac fluid. Treated @ avg press of 1878 psi LENGTH: 133 jts. (5878,34') w/avg rate of 25.1 BPM. ISIP 1960 psi. Calc DEPTH LANDED: 5891.59' KB flush: 4250 gal. Actual flush: 3746 gal. 11/20/06 3920-3940 Frac GB4 sands as follows: HOLE SIZE: 7-7/8" 47,607# 20/40 sand in 398 bbls Lightning 17 CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ. frac fluid. Treated @ avg press of 1490 psi w/avg rate of 25.1 BPM. ISIP 1570 psi. Calc CEMENT TOP: 54' flush: 3918 gal. Actual flush: 3822 gal. 03/02/07 Pump Change. Update rod and tubing details 3/17/10 Pump Change. Updated rod and tubing detail. **TUBING** 3920-3940 SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5# NO. OF JOINTS: 169 its (5331.0') TUBING ANCHOR: 5331.0' KB 4252-4262 NO. OF JOINTS: 1 its (31.10') SEATING NIPPLE: 2-7/8" (1.10') SN LANDED AT: 5364.9° KB 4403-4410 NO. OF JOINTS: 2 jts (63.1') TOTAL STRING LENGTH: EOT @ 5430' KB 4529-4540 5098-5106 PERFORATION RECORD SUCKER RODS 11/16/06 5368-5385" 4 JSPF POLISHED ROD: 1-1/2" x 22' Polish Rod 11/20/06 5098-5106' 4 JSPF 32 holes SUCKER RODS: 1-4' x 3/4" pony rod, 1-6' x 3/4" pony rod, 100-3/4" guided 11/20/06 4529-4540' 4 JSPF 44 holes Anchor @ 5331' rods, 78-34" sucker rods, 30-34" guided rods, 6-11/2" weight bars 11/20/06 4403-4410' 4 JSPF 28 holes PUMP SIZE: CDI 2-1/2" x 1-1/2" x 14' x 16' RHAC 11/20/06 4252-4262' 4 JSPF 40 holes SN 5365 5368-5385 11/20/06 3920-3940' 4 JSPF STROKE LENGTH: 86" PUMP SPEED, SPM: 4 EOT @5430' PBTD @ 5740° NEWFIELD SHOE @ 5892' Ashley Federal 2-25-9-15 TD @ 5910' 903'FNL & 1835' FEL NW/NE Section 25-T9S-R15E Duchesne Co, Utah

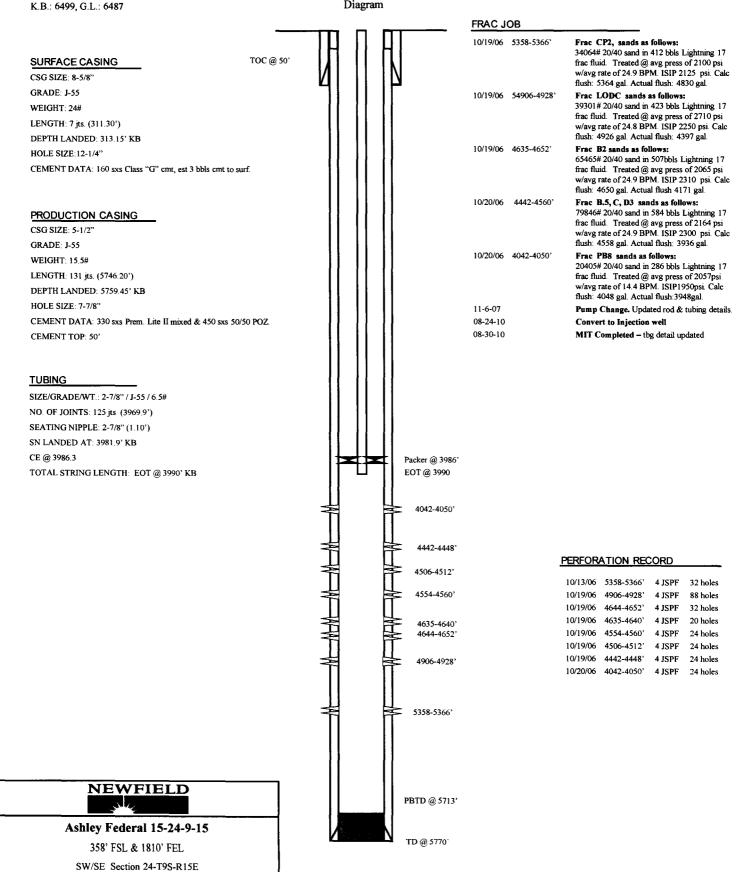
API #43-013-32883; Lease #UTU-66185

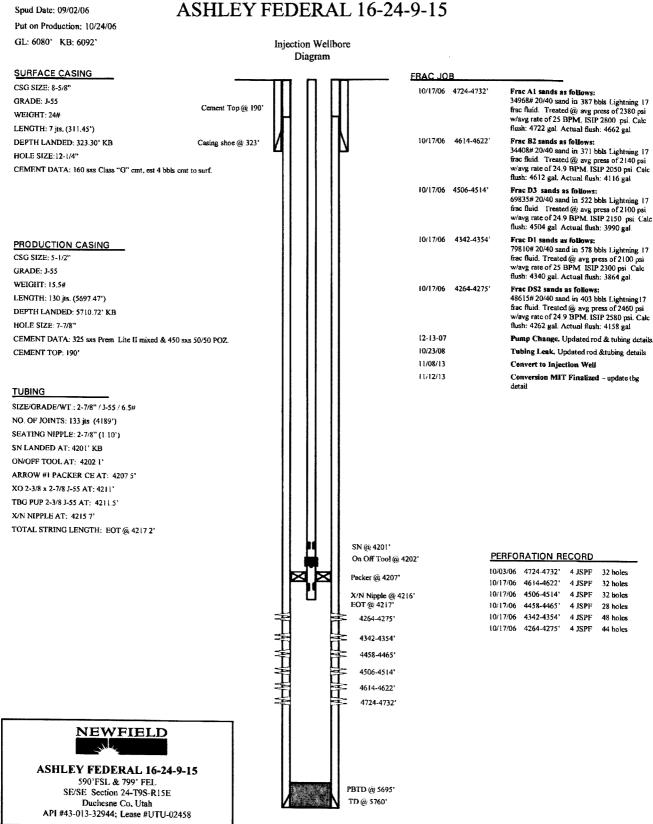
Ashley Federal 15-24-9-15

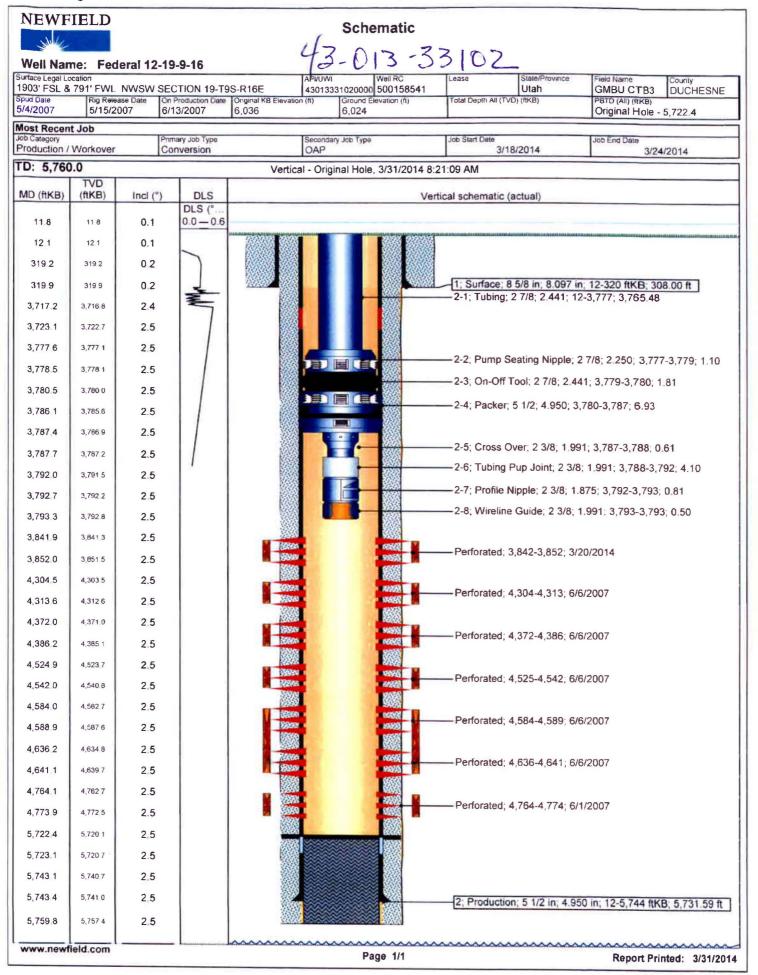
Spud Date: 09/06/06 Put on Production: 5873

Duchesne Co, Utah
API #43-013-32943; Lease #UTU-02458

Injection Wellbore Diagram







Federal 3-30-9-16 Spud Date: 5/16/2009 Put on Production: 7/1/2009 Injection Wellbore GL: 6067' KB: 6079' Diagram SURFACE CASING FRAC JOB CSG SIZE 8-5/8" 7/2/2009 5333-5344' Frac CP3 sands as follows: Cement top @ 54 GRADE: J-55 15,090#'s of 20/40 sand in 125 bbls. of Lightning 17 fluid WEIGHT: 24# 5210-5216' Frac CP1 sands as follows: 7/2/2009 LENGTH: 7 jts (277') 15,050#'s of 20/40 sand in 122 bbls DEPTH LANDED: 328' KB of Lightning 17 fluid 4994-5004' Frac LODC sands as follows: 7/2/2009 HOLE SIZE: 12-1/4" 40,814#'s of 20/40 sand in 263 bbls CEMENT DATA 160 sx class 'G' cmt of Lightning 17 fluid 7/2/2009 4708-4718' Frac Al sands as follows: 55,392#'s of 20/40 sand in 348 bbis of Lightning 17 fluid 7/2/2009 4482-46061 Frac B2/B.5/C sands as follows: 127,786#'s of 20/40 sand in 765 bbls of Lightning 17 fluid PRODUCTION CASING 1/28/2012 Parted rods: Updated tubing & rod CSG SIZE: 5-1/2' detail 4377-4384 09/27/13 GRADE: J-55 Frac D2 sands as follows: 10070#'s of 20/40 sand in 188 bbls WEIGHT: 15 5# of Lightning 17 fluid LENGTH: 152 jts (5704') 09/27/13 3872-3881 Frac GB sands as follows: DEPTH LANDED: 5704 18700#'s of 20/40 sand in 222 bbls of Lightning 17 fluid HOLE SIZE: 7-7/8" 09/30/13 Convert to Injection Well CEMENT DATA 280 sx Prem Lite and 400 sx 50/50 poz 10/01/13 Conversion MIT Finalized -CEMENT TOP AT: 54' update the detail TUBING SIZE/GRADE/WT: 2-7/8" / J-55 / 6 5# NO. OF JOINTS: 124 jts (3813 4') SEATING NIPPLE: 2-7/8" (1 10") SN @ 3825 SN LANDED AT: 3825 4' KB On Off Tool @ 3826' ON/OFF TOOL AT 3826 5' Packer @ 3832' ARROW #1 PACKER CE AT: 3832' XO 2-3/8 x 2-7/8 J-55 AT: 3835 8° X/N Nipple @ 3840' EOT @ 3842' TBG PUP 2-3/8 J-55 AT 3836 4 3872-3881 X/N NJPPLE AT: 3840 5" TOTAL STRING LENGTH: EOT @ 3841 62' PERFORATION RECORD 5339-5344' 3 JSPF 15 holes 4377-4384 5333-5336' 3 JSPF 9 holes 4482-4486 5210-52161 3 JSPF 4994-5004' 3 JSPF 30 holes 4536-4540 4708-4718' 3 ISPF 30 boles 4600-4606 4600-4606' 3 JSPF 18 holes 4536-4540' 3 JSPF 12 holes 4708-47181 4482-4486' 3 JSPF 12 holes 4377-4384' 3 JSPF 21 holes 4994-5004 3872-3881' 3 JSPF 27 holes 5210-52161 NEWFIELD 5333-5336 5339-5344 Federal 3-30-9-16 749' FNL & 2042' FWL NE/NW Section 30-T9S-R16E Duchesne Co. Utah PBTD @ 5664 API # 43-013-33454; Lease # UTU-74391 TD @ 5710'

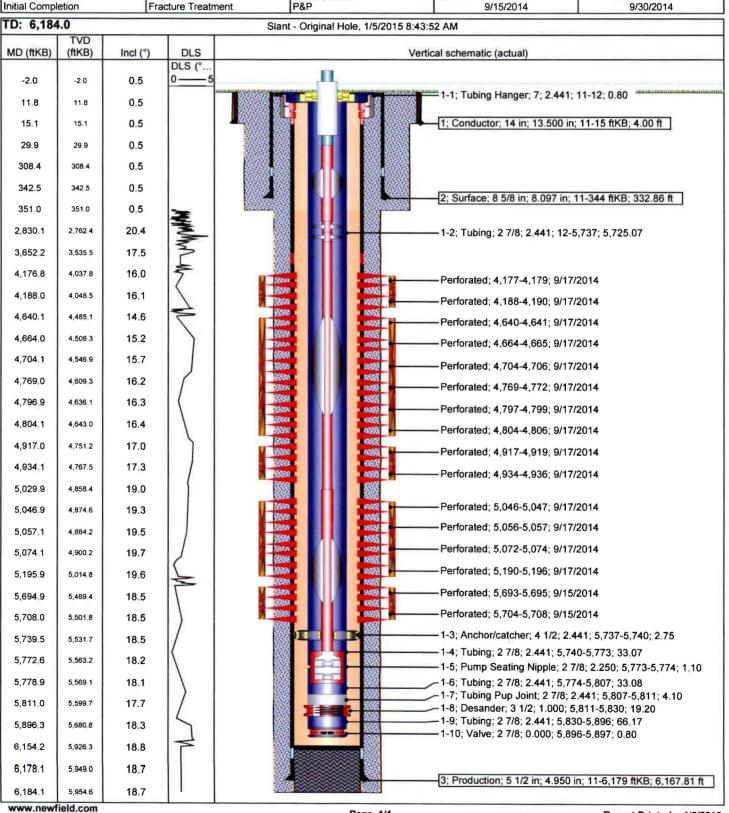
Schematic

43-013-51994

Well Name: GMBU 6-30-9-16 Surface Legal Location County SWNW 2341 FNL 398 FWL Sec 30 T9S R16E 43013519940000 500173460 UTU74391 Litah GMBU CTB3 Duchesne Original KB Elevation (ft) Soud Date Rig Release Date On Production Date Ground Elevation (ff) Total Depth All (TVD) (ftKB) PBTD (All) (ftKB 8/4/2014 9/6/2014 Original Hole - 6,154.2 6.325 6.314 Original Hole - 5,954.6

 Most Recent Job
 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Initial Completion
 Fracture Treatment
 P&P
 9/15/2014
 9/30/2014



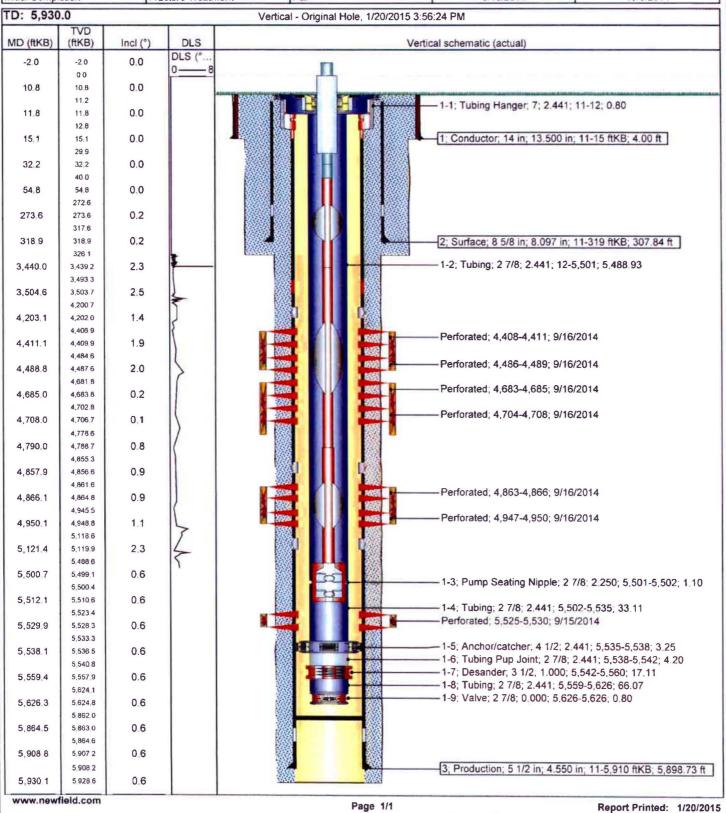
Schematic

43-013-51995

Well Name: GMBU 5-30-9-16 Surface Legal Location State/Province ield Nami 43013519950000 500173458 UTU74391 **GMBU CTB3** SWNW 2362 FNL 400 FWL Sec 30 T9S R16E Duchesne Utah Soud Date Rig Release Date On Production Date Original KB Elevation (ft) Total Depth All (TVD) (fIKB) PBTO (All) (ftKB) 8/5/2014 9/10/2014 6,324 6,313 Original Hole - 5,863.6

 Most Recent Job
 Job Category
 Primary Job Type
 Secondary Job Type
 Job Start Date
 Job End Date

 Initial Completion
 Fracture Treatment
 P&P
 9/15/2014
 10/3/2014



Schematic

43-013-52273

Well Name: GMBU R-24-9-15

| Surface Legal Location | on | | | API/UWI | | Well RC | Lease | State/Province | Field Name | County |
|------------------------|------------------|--------------------|----------------------|------------------------------------|---------|-----------|---------------------|----------------|-------------------|----------|
| SWSE 342 FSL | 1783 FEL Sec 2 | 4 T9S R15E | | 43013523 | 2730000 | 500334730 | UTU02458 | Utah | GMBU CTB3 | Duchesne |
| Spud Date | Rig Release Date | On Production Date | Onginal KB Elevation | evation (ft) Ground Elevation (ft) | | | Total Depth All (TV | D) (ftKB) | PBTO (AII) (ftKB) | |
| 8/23/2014 | 9/12/2014 | 10/15/2014 | 6,118 | | 6,107 | | Original Hole | - 5,829.6 | Original Hole - | 6,018.8 |

Most Recent Job rimary Job Type Secondary Job Type 9/29/2014 10/15/2014 Initial Completion Fracture Treatment P&P TD: 6.081.0 Slant - Original Hole, 1/14/2015 10:03:20 AM TVD MD (ftKB) (ftKB) Incl (°) DLS Vertical schematic (actual) DLS (° .. 0.0 -9.5 -95 112 00 11.2 1-1; Tubing Hanger; 7; 2.441; 11-12; 0.80 1-2; Stretch Correction; 2 7/8; 12-14; 1.78 12.8 0.0 12.8 15.1 15.1 0.0 22.3 22.3 0.0 32 5 32.5 0.0 1; Conductor; 14 in; 13.500 in; 11-48 ftKB; 37.00 ft 54.8 54.8 0.0 275.3 275.3 0.2 320.9 0.3 320 9 2; Surface; 8 5/8 in; 8.097 in; 11-321 ftKB; 309.90 ft 1,861.2 1.842 7 13.5 -1-3; Tubing; 2 7/8; 2.441; 14-5,708; 5,694,41 3,263.8 3,156.2 23.0 Perforated: 4.727-4.729: 10/1/2014 4.729.0 4 542 3 17.2 Perforated; 4,792-4,793; 10/1/2014 4 793 0 4.603.4 16.9 Perforated; 4,802-4,803; 10/1/2014 4.803.1 4,613.2 16.8 Perforated; 4,831-4,835; 10/1/2014 4,835.0 4,643.6 16.6 5,107.9 4.906.8 15.5 Perforated; 5,108-5,109; 10/1/2014 5,120.1 4,918.5 15.8 Perforated: 5.120-5.121: 10/1/2014 5,054.1 5,261,2 Perforated; 5,261-5,265; 10/1/2014 5,419.9 5 206 8 16.8 Perforated; 5,420-5,424; 10/1/2014 5,611.9 5,389.8 18.6 Perforated; 5,612-5,614, 9/29/2014 5,626.0 5,403.2 19.1 Perforated: 5,626-5,628: 9/29/2014 5,669.9 5,444.5 20.6 Perforated; 5,670-5,672; 9/29/2014 5,695.9 5,468 8 21.1 Perforated; 5,696-5,700; 9/29/2014 5.708.0 5 480 1 21.1 1-4; Anchor/catcher; 4 1/2; 2.441; 5,708-5,711; 2.75 -1-5; Tubing; 2 7/8; 2.441; 5,711-5,744; 33.08 5,743.8 5,513.5 21.3 1-6; Pump Seating Nipple; 2 7/8; 2.280; 5,744-5,745; 1.10 -1-7; Tubing; 2 7/8; 2.441; 5,745-5,778; 33.10 5,765.7 5,533 9 21.4 1-8; Tubing sub; 2 7/8; 2.441; 5,778-5,782; 4.10 5,782.2 5 549 2 21.5 1-9; Desander; 2 7/8; 0.000; 5,782-5,799; 17.08 -1-10; Bit Sub; 2 7/8; 2.441; 5,799-5,865; 66.24 5,865.5 5.626.8 21.1 -1-11; Valve; 2 7/8; 0.000; 5,865-5,866; 0.80 6,018.7 5,770.8 19.3 6,064.3 5,813 B 19.3 3; Production; 5 1/2 in; 4.950 in; 11-6,065 ftKB; 6.054.21 ft 6,081.0 5,829.6 19.3 www.newfield.com

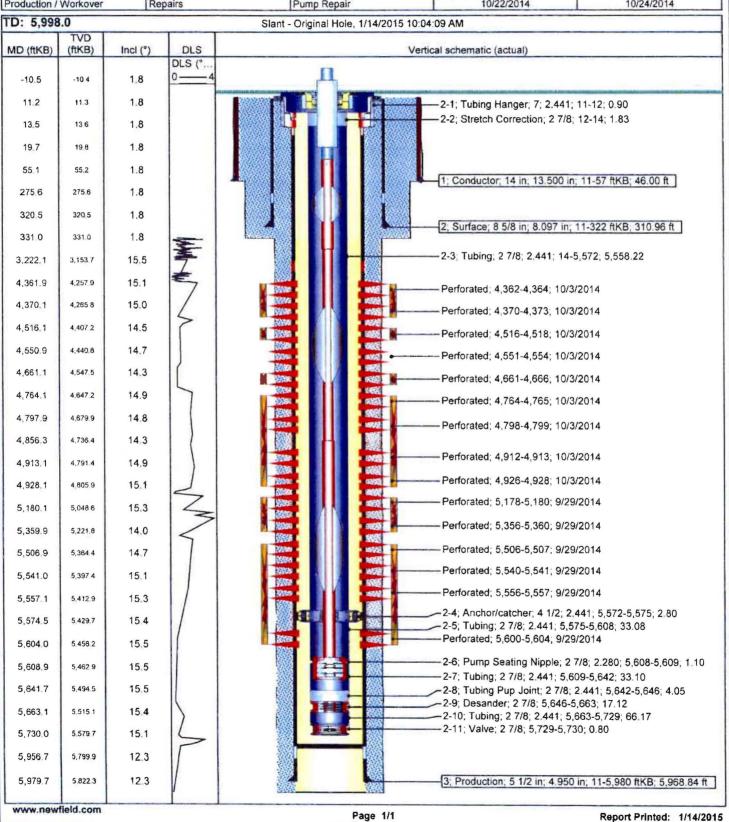
Page 1/1

Report Printed: 1/14/2015

Schematic

43-013-52278

Well Name: GMBU S-24-9-15 Surface Legal Location 43013522780000 500346323 UTU02458 SWSE 333 FSL 1763 FEL Sec 24 T9S R15E Utah **GMBU CTB3** Duchesne Original KB Elevation (ft) On Production Da Ground Elevation (ft) Total Depth All (TVD) (ftK8) PBTD (All) (ffKB) Spud Date Original Hole - 5,955.0 Original Hole - 5,840.3 8/24/2014 9/15/2014 10/15/2014 6,118 6,107



Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

Units of Measurement: Standard





Water Analysis Report

Production Company:

NEWFIELD PRODUCTION

Well Name:

SWDIF

Sample Point: Sample Date: After Filter 12/4/2012

Sample ID:

WA-229142

Sales Rep: Michael McBride

Lab Tech: Gary Peterson

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

| Sample Specifics | 3 | Analysis @ Properties in Sample Specifics | | | | | | | |
|------------------------------------|-----------|---|--------|----------------------------------|--|--|--|--|--|
| Test Date: | 12/5/2012 | Cations | mg/L | Anions | mg/L | | | | |
| System Temperature 1 (°F): | 120.00 | Sodium (Na): | 734.93 | Chloride (CI): | 1000.00 | | | | |
| System Pressure 1 (psig): | 60.0000 | Potassium (K): | 11.00 | Sulfate (SO ₄): | 120.00 | | | | |
| System Temperature 2 (°F): | 210.00 | Magnesium (Mg): | 26.00 | Bicarbonate (HCO ₃): | 366.00 | | | | |
| System Pressure 2 (psig): | 60.0000 | Calcium (Ca): | 46.20 | Carbonate (CO ₃): | The second secon | | | | |
| Calculated Density (g/ml): | 0.999 | Strontium (Sr): | | Acetic Acid (CH3COO) | | | | | |
| pH: | 6.80 | Barium (Ba): | 0.17 | Propionic Acid (C2H5COO) | | | | | |
| Calculated TDS (mg/L): | 2304.49 | Iron (Fe): | 0.13 | Butanoic Acid (C3H7COO) | | | | | |
| CO2 in Gas (%): | | Zinc (Zn): | 0.02 | Isobutyric Acid ((CH3)2CHCOO) | | | | | |
| Dissolved CO ₂ (mg/L)): | 15.00 | Lead (Pb): | 0.00 | Fluoride (F): | | | | | |
| H ₂ S in Gas (%): | | Ammonia NH3: | | Bromine (Br): | | | | | |
| H2S in Water (mg/L): | 2.50 | Manganese (Mn): | 0.04 | Silica (SiO2): | | | | | |

Notes:

9:30

(PTB = Pounds per Thousand Barrels)

| | | | cium oonate | Barium | Sulfate | | on Ifide | | ron conate | | osum 4-2H2O | | estite SO4 | | alite aCl | | inc Ilfide |
|--------------|-------|------|----------------|--------|---------|------|-------------|------|---------------|------|----------------|------|---------------|------|--------------|------|---------------|
| Temp (°F) | PSI | SI | PTB | SI | РТВ | SI | РТВ | SI | РТВ | SI | PTB | SI | PTB | SI | PTB | SI | PTB |
| 210.00 | 60.00 | 0.28 | 10.64 | 0.00 | 0.00 | 0.20 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.28 | 0.01 |
| 200.00 | 60.00 | 0.19 | 7.48 | 0.00 | 0.00 | 0.13 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.31 | 0.01 |
| 190.00 | 60.00 | 0.11 | 4.25 | 0.00 | 0.00 | 0.07 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.35 | 0.01 |
| 180.00 | 60.00 | 0.02 | 0.97 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.39 | 0.01 |
| 170.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.44 | 0.01 |
| 160.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.50 | 0.01 |
| 150.00 | 60.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.56 | 0.01 |
| 140.00 | 60.00 | 0.00 | 0.00 | 0.05 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.64 | 0.01 |
| 130.00 | 60.00 | 0.00 | 0.00 | 0.10 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.72 | 0.01 |
| 120.00 | 60.00 | 0.00 | 0.00 | 0.15 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 0.01 |

Ethics

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078





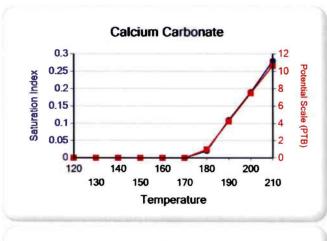
A HALLIBURTON SERVICE

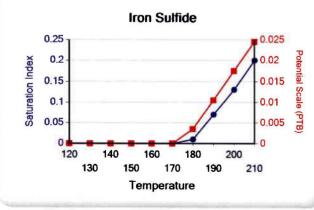
Water Analysis Report

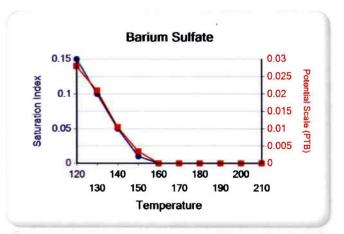
| | | CaSO ₄ | nydrate 4~0.5H2 O | | ydrate SO4 | | cium oride | | inc onate | | ead Ifide | | /lg cate | | Mg cate | | Fe icate |
|--------------|-------|-------------------|-------------------------|------|---------------|------|---------------|------|--------------|------|--------------|------|-------------|------|------------|------|-------------|
| Temp (°F) | PSI | SI | РТВ | SI | РТВ | SI | РТВ | SI | PTB | SI | PTB | SI | PTB | SI | РТВ | SI | PTB |
| 210.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 190.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 180.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 170.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120.00 | 60.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

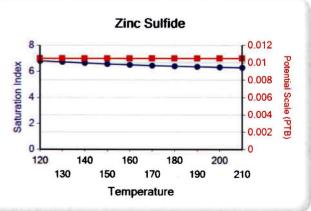
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide









Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

Units of Measurement: Standard





A HALLIBURTON SERVICE

Water Analysis Report

Production Company: NEWFIELD PRODUCTION

Barium Sulfate

Iron

Well Name:

FEDERAL 4-30-9-16

Sample Point: Sample Date:

Sample ID:

Treater 1/23/2013 WA-232849 Sales Rep: Michael McBride Lab Tech: Layne Wilkerson

Scaling potential predicted using ScaleSoftPitzer from

Brine Chemistry Consortium (Rice University)

| Sample Specifics | |
|------------------------------------|----------|
| Test Date: | 2/1/2013 |
| System Temperature 1 (°F): | 120.00 |
| System Pressure 1 (psig): | 60.0000 |
| System Temperature 2 (°F): | 210.00 |
| System Pressure 2 (psig): | 60.0000 |
| Calculated Density (g/ml): | 1.013 |
| pH: | 8.40 |
| Calculated TDS (mg/L): | 23424.36 |
| CO2 in Gas (%): | |
| Dissolved CO ₂ (mg/L)): | 0.00 |
| H ₂ S in Gas (%): | |
| H2S in Water (mg/L): | 10.00 |

Calcium

| Analysis @ Properties in Sample Specifics | | | | | | | | | | |
|---|--------------|----------------------------------|----------|--|--|--|--|--|--|--|
| Cations | mg/L | Anlons | mg/L | | | | | | | |
| Sodium (Na): | 8647.70 | Chloride (CI): | 12000.00 | | | | | | | |
| Potassium (K): | 44.00 | Sulfate (SO ₄): | 120.00 | | | | | | | |
| Magnesium (Mg): | 18.00 | Bicarbonate (HCO ₃): | 2513.20 | | | | | | | |
| Calcium (Ca): | 50.00 | Carbonate (CO ₃): | | | | | | | | |
| Strontium (Sr): | | Acetic Acid (CH3COO) | | | | | | | | |
| Barium (Ba): | 10.30 | Propionic Acid (C2H5COO) | | | | | | | | |
| Iron (Fe): | 20.00 | Butanoic Acid (C3H7COO) | | | | | | | | |
| Zinc (Zn): | 0.05 | Isobutyric Acid ((CH3)2CHCOO) | | | | | | | | |
| Lead (Pb): | 0.01 | Fluoride (F): | | | | | | | | |
| Ammonia NH3: | Hill Hilliam | Bromine (Br): | | | | | | | | |
| Manganese (Mn): | 1.10 | Silica (SiO2): | | | | | | | | |

Gypsum

Notes:

(PTB = Pounds per Thousand Barrels)

Halite

Zinc

| | | Carb | onate | | | Su | fide | Carb | onate | CaSU | 4-2H2O | Sr | 504 | IN | aCl | Sui | lfide |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------------|
| Temp (°F) | PSI | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | РТВ | SI | PTB | SI | PTB | SI | РТВ |
| 210.00 | 60.00 | 1.98 | 42.95 | 0.76 | 5.02 | 4.03 | 9.05 | 3.62 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.06 | 0.02 |
| 200.00 | 60.00 | 1.93 | 42.84 | 0.78 | 5.07 | 4.02 | 9.05 | 3.58 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.15 | 0.02 |
| 190.00 | 60.00 | 1.88 | 42.72 | 0.80 | 5.12 | 4.02 | 9.05 | 3.54 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.24 | 0.02 |
| 180.00 | 60.00 | 1.84 | 42.59 | 0.83 | 5.18 | 4.02 | 9.05 | 3.49 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.34 | 0.02 |
| 170.00 | 60.00 | 1.80 | 42.45 | 0.86 | 5.25 | 4.02 | 9.05 | 3.45 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.45 | 0.02 |
| 160.00 | 60.00 | 1.76 | 42.31 | 0.90 | 5.32 | 4.03 | 9.05 | 3.40 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.56 | 0.02 |
| 150.00 | 60.00 | 1.72 | 42.15 | 0.94 | 5.39 | 4.05 | 9.05 | 3.35 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.69 | 0.02 |
| 140.00 | 60.00 | 1.68 | 41.99 | 0.98 | 5.46 | 4.07 | 9.05 | 3.30 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.82 | 0.02 |
| 130.00 | 60.00 | 1.65 | 41.82 | 1.03 | 5.54 | 4.11 | 9.05 | 3.25 | 14.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.96 | 0.02 |
| 120.00 | 60.00 | 1.62 | 41.65 | 1.09 | 5.61 | 4.14 | 9.05 | 3.20 | 14.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.11 | 0.02 |
| | | CaSO | hydrate 4~0.5H2 O | | ydrate SO4 | | lcium oride | | linc conate | | ead ulfide | Sil | Mg icate | | a Mg licate | | Fe licate |
| | | | U | | | | | | | | | | | | | | |
| Temp (°F) | PSI | SI | PTB | SI | PTB | SI | PTB | SI | PTB | SI | РТВ | SI | PTB | SI | PTB | SI | PTB |
| Temp (°F) 210.00 | PSI 60.00 | | | SI 0.00 | PTB 0.00 | SI 0.00 | PTB 0.00 | SI 0.92 | PTB 0.03 | | PTB 0.00 | SI 0.00 | PTB 0.00 | SI 0.00 | | | PTB 0.00 |
| (°F) | | SI | PTB | | | | | | | | | | | | | 0.00 | 0.00 |
| (°F) 210.00 | 60.00 | SI 0.00 | PTB 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 0.03 | 8.43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 0.00 | 0.00 | 0.00 |
| (°F) 210.00 200.00 | 60.00 60.00 | 0.00 0.00 | 0.00 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 0.85 | 0.03 | 8.43 8.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| 210.00 200.00 190.00 | 60.00 60.00 60.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.92 0.85 0.77 | 0.03 0.03 0.03 | 8.43 8.58 8.75 | 0.00 0.00 0.00 | 0.00 0.00 0.00 | 0.00 0,00 0.00 | 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 |
| 210.00 200.00 190.00 180.00 | 60.00 60.00 60.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.92 0.85 0.77 0.69 | 0.03 0.03 0.03 0.03 | 8.43 8.58 8.75 8.92 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0,00 0.00 0.00 | 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 |
| 210.00 200.00 190.00 180.00 170.00 | 60.00 60.00 60.00 60.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.92 0.85 0.77 0.69 0.60 | 0.03 0.03 0.03 0.03 0.02 | 8.43 8.58 8.75 8.92 9.11 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| 210.00 200.00 190.00 180.00 170.00 160.00 | 60.00 60.00 60.00 60.00 60.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.92 0.85 0.77 0.69 0.60 0.51 | 0.03 0.03 0.03 0.03 0.02 | 8.43 8.58 8.75 8.92 9.11 9.30 9.51 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 |
| 210.00 200.00 190.00 180.00 170.00 160.00 | 60.00 60.00 60.00 60.00 60.00 60.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.92 0.85 0.77 0.69 0.60 0.51 0.41 | 0.03 0.03 0.03 0.03 0.02 0.02 | 8.43 8.58 8.75 8.92 9.11 9.30 9.51 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | |

Iron

Ethics

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078

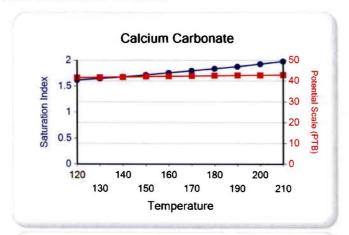
465

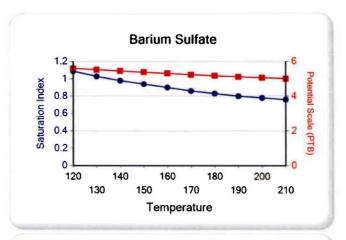


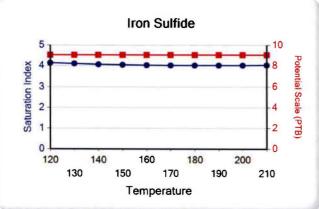
Water Analysis Report

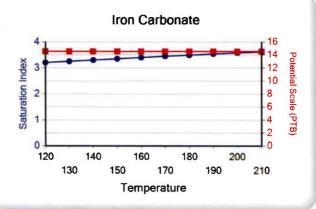
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

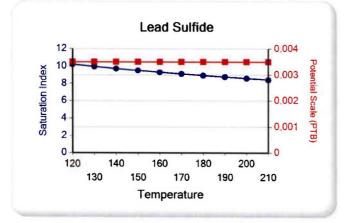
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

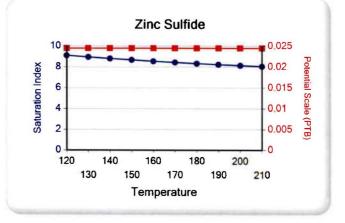












Ethics

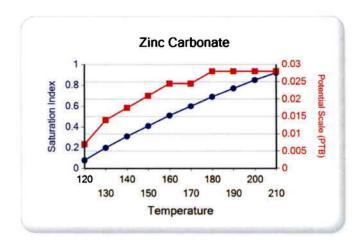
Page 2 of 3

Multi-Chem Analytical Laboratory

1553 East Highway 40 Vernal, UT 84078 5 of 5



Water Analysis Report



Attachment "G"

Federal #4-30-9-16 Proposed Maximum Injection Pressure

| | Interval eet) | Avg. Depth | ISIP | Calculated Frac Gradient | |
|------|------------------|------------|-------|--------------------------------|--------|
| Тор | Bottom | (feet) | (psi) | (psi/ft) | Pmax |
| 5141 | 5191 | 5166 | 1715 | 0.77 | 1682 ◀ |
| 4880 | 4894 | 4887 | 2778 | 1.00 | 2746 |
| | | | | Minimum | 1682 |

Calculation of Maximum Surface Injection Pressure

Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf where pressure gradient for the fresh water is .433 psi/ft and specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

| | | ATTA | CHMENT (| 2-1 | | | | |
|------------------------|-----------------------------------|-------------------|-------------------|----------------------|------------------------|-----------|--|--|
| NEW | FIELD | AIIA | ALIMITIAL / | Well Name | : FEDERAL 4-30-9-16 | | | |
| | | Daile Came | oletion Report | 10+6 AFE | :: 16012 :: 9/14/10 | | | |
| | | Daily Comp | pietion Report | Report Date | | | | |
| ROCKY N | HOUNIAINS | | | Operation | : Waiting on frac. | | | |
| Field: | GMBU CTB3 | | Rig Name: | Rigless | Work Performed: | 9/14/2010 | | |
| Location: | \$30 T9\$ R16E | | Supervisor: | Orson Barney | Day: | 1 | | |
| County: | DUCHESNE | | Phone: | 435- 823-6778 | Daily Cost: | 12,544 | | |
| State: | UT | | Email: | obarney@newfield.com | Cum DCR: | 12,544 | | |
| | | | | | Cum. Well Cost: | 311,539 | | |
| 24 Hr Summary: | Ran CBL & perforated 1st stage. S | IWFN w/ 141 BWTR. | | | | | | |
| 24 Hr Plan Forward: | Wait on frac crew. | | | | | | | |
| Incidents: | None | Newfield Pers: | 1 Contract P | ers: 8 | Conditions: | | | |
| | | | Critical Comments | | | | | |

O Hr(s); P : NU frac head & Cameron BOP's. RU Hot oiler & test casing, frac head, frac valves & BOP to 4500 psi. RU WLT w/ mast & pack off tool. Run CBL under pressure. WLTD was 5869' w/ TOC @ 92'. RIH w/ 3 1/8" ported guns & perforate LODC sds @ 5186- 91', 5177- 79', 5172- 74' & 5141- 45' w/ (11 gram, .36"EH, 16.82; pen. 120°) 3 spf for total of 39 shots. RD WLT & Hot Oiler. SIWFN w/ 141 BWTR.C

ATTACHMENT G-1

ROCKY MOUNTAINS

Daily Completion Report

Well Name: FEDERAL 4-30-9-16

AFE: 16012

Report Date: 9/20/10

Operation: Wait on rig.

Field: GMBU CTB3 9/18/2010 Rig Name: Rigless Work Performed: Location: S30 T9S R16E Don Dulen 2 Supervisor: Day: County: DUCHESNE Phone: 435-823-6772 **Daily Cost:** \$10.960 State: UT Email: ddulen@newfield.com Cum DCR: \$23,504 Cum. Well Cost: \$322,499

Frac 1 stage. Shoot second stage. Could not break second stage, covered w/ sand. 24 Hr

Summary:

MIRU completion rig. C/O sand.

24 Hr Plan

Forward: Incidents:

None Newfield Pers: Contract Pers: 19 Conditions:

Critical Comments

O Hr(s); P : MIRU BJ Services. Frac LODC sds as shown in stimulation report. Screened out w/ 13 bbl left in flush. Left approx. 3000# sand in csg. Open well to pit to flow back sand. Flowed well for 1.5 hrs. Recovered 215 bbls. 389 BWTR. 🗆

O Hr(s); P : RU PSI wireline. Set CBP & perf Al sds as shown in perforation report. RU BJ Services. Could not break perfs. RIH w/ dump bailer. Tagged sand @ 4790'. Dumped acid @ 4790'. Attempt to break perfs w/ no success. Open well to pit. Well died in 10 min. RD BJ Services & PSI wireline. SWIFN. 380 BWTR.

ATTACHMENT G-1
30f6

| | | | | | JUI W | |
|------------|---|--------------------------------|------------------------|----------------------|-----------|--|
| NEW | FIELD | | Well Name: | FEDERAL 4-30-9-16 | | |
| N. C. | Doily Completie | Daily Completion Report | | 16012 | | |
| | | | | Report Date: 9/21/10 | | |
| ROCKY N | 10UNTAINS | | Operation: Frac well. | | | |
| Field: | GMBU CTB3 | Rig Name: | Nabors #823 | Work Performed: | 9/20/2010 | |
| Location: | S30 T9S R16E | Supervisor: | Don Dulen | Day: | 3 | |
| County: | DUCHESNE | Phone: | 435- 823-6772 | Daily Cost: | \$6,312 | |
| State: | UT | Email: | | Cum DCR: | \$29,816 | |
| | | | | Cum. Well Cost: | \$328,811 | |
| 24 Hr | RU Cameron BOP w/ pipe rams. RIH w/ tbg. C/O sand | . POOH w/ tbg. ND Came | eron BOP w/ pipe rams. | | | |
| Summary: | | | | | | |
| 24 Hr Plan | Frac remaining zone. | | | | | |
| Forward: | | | | | | |
| Incidents: | None Newfield Pers | s: 1 Contra | ct Pers: 7 | Conditions: | | |
| | | Critical Comment | 3 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

O Hr(s); P: MIRU Nabors #823. NU Cameron BOP w/ pipe rams. RIH w/ notched collar & new 2 7/8° tbg. from pipe racks (tallying & drifting). Tag fill @ 4512'. C/O bridge from 4512' to 4545'. Cont. RIH w/ tbg. Tag fill @ 4875'. C/O to 4920'. Circulate well clean. POOH w/ tbg. ND Cameron BOP w/ pipe rams. SWIFN. 350 BWTR.

ATTACHMENT G-1

| | | | | | | | 7010 |
|------------|--------------|---------------------------|------------------------|-------------------|---------------|-------------------|-----------|
| NEW | FIELD | | | | Well Name: | FEDERAL 4-30-9-16 | |
| | | Daile Campletie | Della Camadatian Danas | | AFE: | 16012 | |
| July 1 | | Daily Completion | on Report | POPT Report Date: | | 9/22/10 | |
| ROCKY 5 | 40UN FAINS | • | | | Operation: | C/O to PBTD. Swab | |
| Field: | | GMBU CTB3 | Rig Name: | Na | bors #823 | Work Performed: | 9/21/2010 |
| Location: | | S30 T9S R16E | Supervisor: | D | on Dulen | Day: | 4 |
| County: | | DUCHESNE | Phone: | 435 | - 823-6772 | Daily Cost: | \$95,813 |
| State: | | UT | Email: | ddulen(| @newfield.com | Cum DCR: | \$125,629 |
| | | | • | | | Cum. Well Cost: | \$424,624 |
| 24 Hr | Frac well. R | IH w/ tbg. DU CBP. SWIFN. | | | | | |
| Summary: | <u> </u> | | | | | | |
| 24 Hr Plan | C/O to PBTE | D. Swab. | | | | | |
| Forward: | | | | | | | |
| Incidents: | None | Newfield Per | rs: 1 Cont | tract Pers: | 19 | Conditions: | |
| | | | Critical Comme | nts | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

0 Hr(s); P: MIRU BJ Services. Frac Al sds as shown in stimulation report. RD BJ Services. Open well to pit for immediate flowback @ approx. 3 bpm. Well flowed for 1 hr & died. Recovered 115 bbls. ND Cameron BOP & 5m frac head. NU 3m production head & Schaeffer BOP. RIH w/ 4 3/4" chomp bit, bit sub & tbg. Tag fill @ 4755'. RU powerswivel & pump. C/O to CBP @ 4950'. DU CBP in 26 min. Cont. RIH w/ tbg. Tag fill @ 5687'. Pull up to 5656'. SWIFN. 897 BWTR.[]



| NEW | FIELD | | Well Name: FEDERAL 4-30-9-16 | | | | | |
|-----------------|--------------|---|------------------------------|----------------|----------------------|-----------------|-----------|--|
| | | Daile Campletian Denant | | | AFE : 16012 | | | |
| ROCKY MOUNTAINS | | Daily Completion Report | | | Report Date: 9/23/10 | | | |
| | | | | | Operation: PU rods. | | | |
| Field: | | GMBU CTB3 | Rig Nar | ne: | Nabors #823 | Work Performed: | 9/22/2010 | |
| Location: | S30 T9S R16E | | Supervisor: | | Don Dulen | Day: | 5 | |
| County: | | DUCHESNE | Phone: 43 | | 435- 823-6772 | Daily Cost: | \$5,491 | |
| State: | | UT | Email: | ddu | len@newfield.com | Cum DCR: | \$131,120 | |
| | | | | | | Cum. Well Cost: | \$430,115 | |
| 24 Hr | C/O to PBTI | D. Swab for cleanup. Round trip tbg. ND BOP | . NU wellhea | d. | | | | |
| Summary: | | | | | | | | |
| 24 Hr Plan | PU rods. | | | | | | | |
| Forward: | | | | | | | · | |
| Incidents: | None | Newfield Pers: | 1 | Contract Pers: | 5 | Conditions: | | |
| | | | Critical (| Comments | | | | |
| | **** | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

3 Hr(s); P: Csg. @ 75 psi, tbg. @ 50 psi. Bleed off well. C/O to PBTD @ 5913'. Circulate well clean. Pull up to 5848'. RIH w/swab. SFL @ surface. Made 14 runs. Recovered 136 bbls water. EFL @ 1500'. RD swab. RIH w/tbg. Tag fill @ 5902'. C/O to PBTD @ 5913'. Circulate well clean. LD excess tbg. POOH w/tbg. LD BHA. RIH w/production tbg. ND BOP. Set TAC @ 5166' w/18,000# tension. NU wellhead. X-over for rods. SWIFN.

ATTACHMENT G-1 6076

| | | | | | | | | · · · | |
|-----------------|--------------|-------------------------------|--------------------------|---------------------|-------------|--------------------------|-------------------|-----------|--|
| NEW | FIELD | | | | | Well Name: | FEDERAL 4-30-9-16 | | |
| | | Final Daily Commission Depart | | 4 | AFE: | 16012 | | | |
| | | Final Daily Completion Report | | | π | Report Date: 9/24/10 | | | |
| ROCKY MOUNTAINS | | | | | | Operation: Produce well. | | | |
| Field: | | GMBU CTB3 | | Rig Name: | Na | abors #823 | Work Performed: | 9/23/2010 | |
| Location: | | S30 T9S R16E | | Supervisor: | | Oon Dulen | Day: | 6 | |
| County: | | DUCHESNE | | Phone: | 435 | 5- 823-6772 | Daily Cost: | \$31,681 | |
| State: | | UT | | Email: | ddulen | @newfield.com | Cum DCR: | \$162,801 | |
| | _ | | | | | | Cum. Well Cost: | \$461,796 | |
| 24 Hr | RIH w/ rods. | PWOP @ 3:00 p.m. 14 | 14" stroke length, 5 spm | . Final Report. 937 | BWTR. | | | | |
| Summary: | İ | | | | | | | | |
| 24 Hr Plan | Produce well | • | | | | | | | |
| Forward: | | | | | | | | | |
| Incidents: | None | | Newfield Pers: | 1 Con | tract Pers: | 5 | Conditions: | | |
| | | | | Critical Comme | ents | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | - | | | |

O Hr(s); P: Flush tbg. w/ 40 bbls water. RIH w/ Central Hydraulic 2 1/2" x 1 3/4" x 20' x 24' RHAC rod pump, 4- 1 1/2" weight pars, 202- 7/8" guided rods (8 per), 1 1/2" x 30' polished rod. Seat pump. RU pumping unit. Hang off rods. Fill tbg. w/ 7 bbls water. Stroke test to 800 psi. Good pump action. RD. PWOP @ 3:00 p.m. 144" stroke length, 5 spm. Final Report. 937 BWTR.

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

| 1. | | Set CIBP @ 4830' |
|----|---------|---|
| 2. | Plug #1 | Set 100' plug on top of CIBP using 12 sx Class "G" cement |
| 3. | Plug #2 | 186' balance plug using 23 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale |
| 4. | Plug #3 | 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below |
| 5. | Plug #4 | Pump 49 sx Class "G" cement down 5 1/2" casing to 400' |

The approximate cost to plug and abandon this well is \$42,000.

Federal 4-30-9-16

Spud Date: 8-15-10 Put on Production:9-23-10 GL:6068 'KB:6080'

Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8" GRADE: J-55 WEIGHT: 24# LENGTH: 8 jts. (335,81')

LENGTH: 8 jts. (335.81°) DEPTH LANDED: 349.66° HOLE SIZE: 12-1/4"

CEMENT DATA: 180 sxs Class "G" cmt

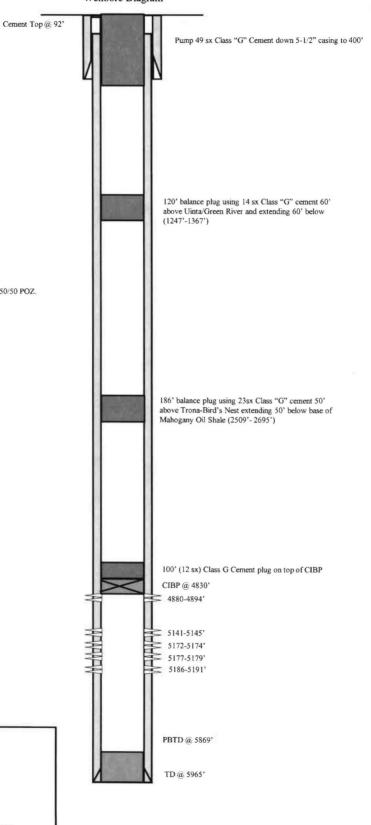
PRODUCTION CASING

CSG SIZE: 5-1/2" GRADE: J-55 WEIGHT: 15,5#

LENGTH: 141 jts. (5942.38°) HOLE SIZE: 7-7/8" DEPTH LANDED: 5958.38'

CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

CEMENT TOP AT: 92°





Federal 4-30-9-16

769'FNL & 2034'FWL (NE/NW) Section 30, T9S, R16 Duchesne Co, Utah API # 43-013-33470; Lease # UTU-74391